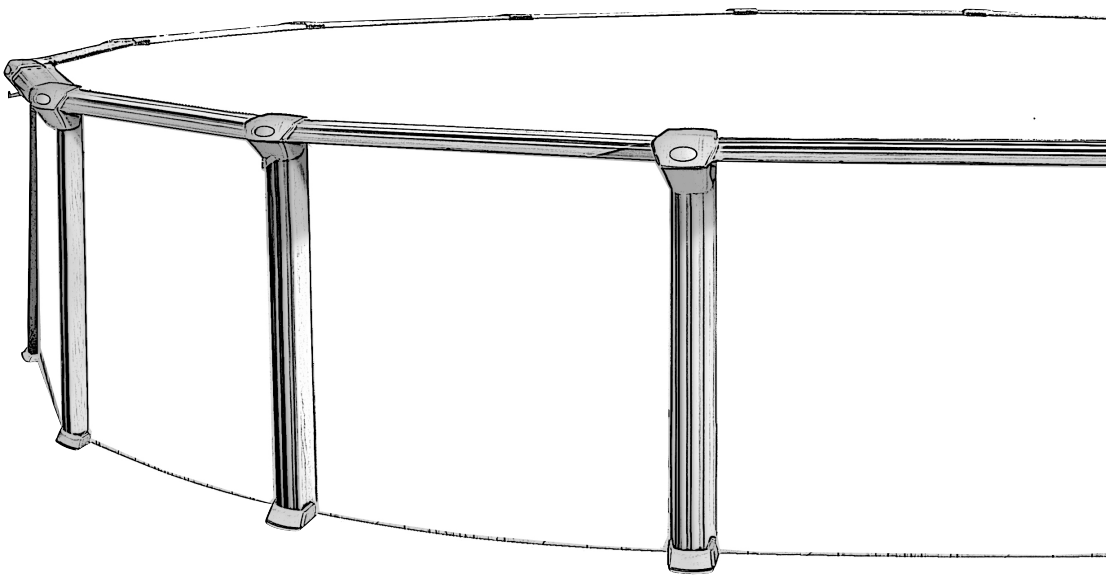
V35050

INSTALLATION MANUAL - GIBRALTAR OVAL POOLS
POOL MODEL - AMBASSADOR - CENTURY



02.13

ABOVE GROUND POOL SAFETY
PLEASE READ BEFORE INSTALLATION

WARNING

FAILURE TO HEED THESE WARNINGS CAN RESULT IN PERMANENT INJURY, PARALYSIS FROM A BROKEN NECK, ELECTROCUTION OR DROWNING.
THIS POOL IS NOT DESIGNED FOR DIVING OR JUMPING!
DANGEROUS INJURY CAN RESULT, SHALLOW WATER!

Your pool contains a large quantity of water, and is deep enough to present inherent dangers to life and health unless the following safety rules are strictly observed. First-time users run the highest risk of injury. Make sure everyone understands. To insure your pool is used safely you **must** observe the following safety precautions:

1. NO JUMPING OR DIVING
The top rail of your pool is not a walkway and must not be used for jumping or diving. Do not permit jumping or diving into the pool from a deck or the top rail of the pool. Diving or jumping into the pool can result in serious injury.

2. NEVER USE THE POOL ALONE
Never permit the pool to be used unless it is attended by at least one person other than the bather. Someone should always be available to lend assistance in an emergency.

3. NEVER LEAVE CHILDREN UNATTENDED
Never leave a child alone and unsupervised in or near the pool—not even for a second. There is no substitute for constant adult supervision.

4. NO ROUGH PLAY
Do not permit "rough-playin" in and around your pool. Surfaces can become slippery and hazardous when wet.

5. LIGHT THE POOL AT NIGHT
If the pool is used after dusk, adequate lighting must be provided. Illumination in the pool area must be sufficient to clearly judge pool depth and all features in and around the pool. For lighting recommendations, consult your local licensed electrical contractor

6. RESTRICT ACCESS TO THE POOL
Do not leave chairs or other furniture beside the pool that could be used by a child to climb up into the pool. Ladders must be removed whenever the pool is unattended. A fence with a lockable gate around the pool or yard is strongly recommended and may be required by law in some jurisdictions.

7. NO ALCOHOL OR DRUGS
Never drink alcoholic beverages or use any intoxicants which could hinder your judgment and reflexes.

8. KEEP YOUR POOL CLEAN AND SANITARY
Your filter system will remove suspended particles from the water and the surface skimmer will remove insects, leaves and other debris from the water surface. Use the correct pool chemicals as directed to destroy harmful bacteria and prevent formation of algae. Remember, unsanitary water is a serious health hazard.

9. KEEP OFF TOP LEDGES
Do not walk on top ledges. They can be slippery and they are not a walkway.

10. POOL COVER SAFETY
The cover must have a tamperproof locking retainer cable that positions the cover around the pool wall and keeps it securely in place. Never allow anyone, especially small children on the cover. Asphyxiation or drowning could result. When purchasing any pool cover, please consult a swimming pool professional.

11. ELECTRICAL HAZARD
Never touch or attempt to service electrical equipment, including the filter when your body and/or the ground is wet. Electrocution or permanent injury due to high voltage (120V AC) could result. The pool should be bonded in accordance with Section 680-26 of the National Electical Code. For further assistance contact your dealer or a local licensed electrician. Do not use pool during electrical or rain storms.

12. SAFETY ROPE & POLE
Keep a safety rope 1/4" by 50" with a flotation buoy with an outside diamter of 15". Have accessible in a prominent area by your pool. Keep a pole not less that 16 feet (4,88m) long with a blunt or hook end available at pool side in case of emergencies.

13. POOL CHEMICALS
Do not place chlorine, chlorine tablets or sticks directly into skimmer, or winterize your pool with liquid chlorine. Damage to the skimmer, pool liner and filter will result. Failure to obey this instruction will void all component warranties. Always follow Chemical Manufacturer's insturctions when storing, handling and dispensing pool chemicals.

14. CHECK FOR DAMAGE
Periodically check your pool and ladder components for damage and wear. Be sure all screws are in place. Replace all damaged or worn components and tighten all screws before you use the pool, deck or ladders. At first sign remove rust and touch up immediately.

15. POOL PARTS
Never modify the pool or accessories, or remove or drill holes in the pool, deck or ladder components unless instructed. Your pool wall is made of thin metal, there is an inherent cut hazard with metal so use gloves during installation. Always use Original Equipment Manufactured parts for your replacement parts.

FOLLOW ALL SAFETY INSTRUCTIONS
Read and follow all safety instructions packaged with pool, ladder, deck or any other accessory. Additional pool safety publications can be obtained by contacting: The Association of Pool & Spa Professionals (www.apsp.org)

REMEMBER
WATCH
CHILDREN

IMPORTANT NOTICE READ BEFORE INSTALLATION!
The safety stickers must be installed as per following instructions. Failure to properly install warning labels will void warranty. Failure to mount these safety labels may subject you to substantial liability in case of injury. These warning are not to be removed under any circumstances! If they become discolored or fall off please request replacements which will be sent at no charge.

PLACE SIGN ON LINER ABOVE WATER LINE, OPPOSITE ENTRY TO POOL

PLACE SIGN ON WALL NEXT TO POOL ENTRY

R.10/12

SECTION 1 General Instructions - Gibraltar Oval Pools

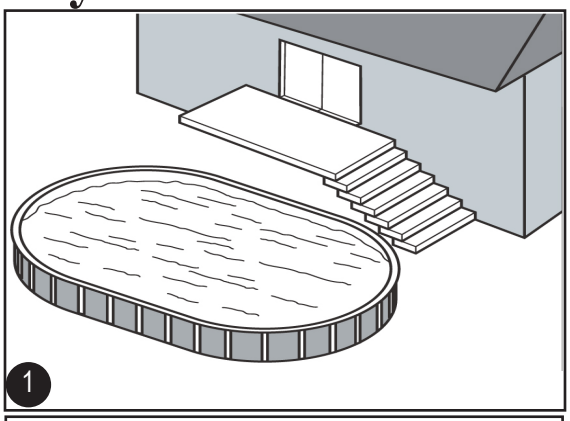
Ground Preparation

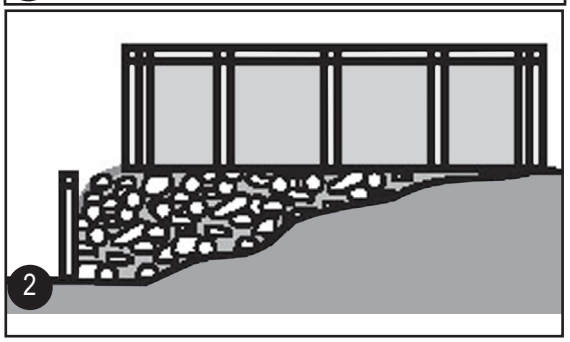
Read all instructions completely before you begin.

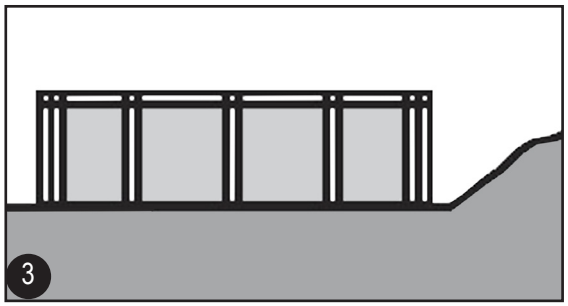
A. Determine a Location for your Pool

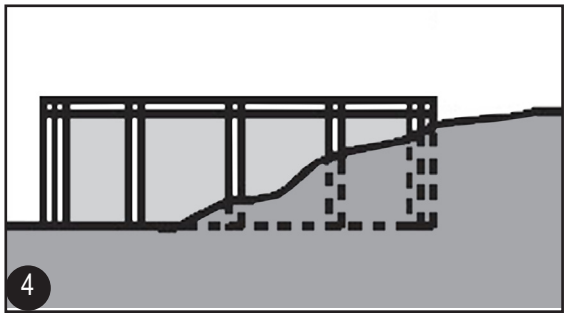
1. The Terrain

- Pay special attention to choosing the right location for your pool:
- Choose a large area, as flat and level as possible and well drained.
- Choose a spot on dry, firm earth—do not install the pool on concrete, asphalt, tar paper, sand, gravel, peat moss, wood or chemically treated soil.
- Check with your pool dealer to see if Nut Grass grows in your area. This type of grass may grow up through your pool liner. Your dealer will be able to advise how best to treat the site.
- Sloped areas will need to be made level by digging away high spots, not by filling low spots—be prepared to hire earth-moving equipment if necessary.









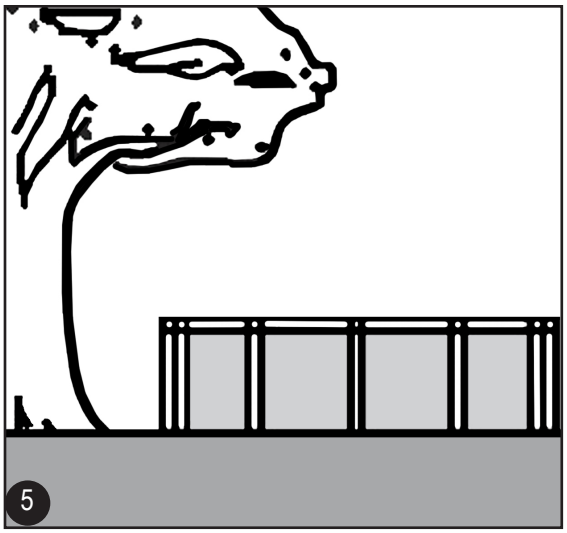
Important Note:
Ground preparation is one of the most important steps in the installation process. A proper foundation will ensure the rest of the pool assembly goes smoothly and that no problems will occur when the pool is filled with water.

Open all of the frame cartons and read all of the instructions before you begin. Be sure to read Section 2 and get a complete overview of the pool base and buttress assembly before starting the ground preparation.

2. Things to Avoid

Do not locate your pool near or on any of the following:

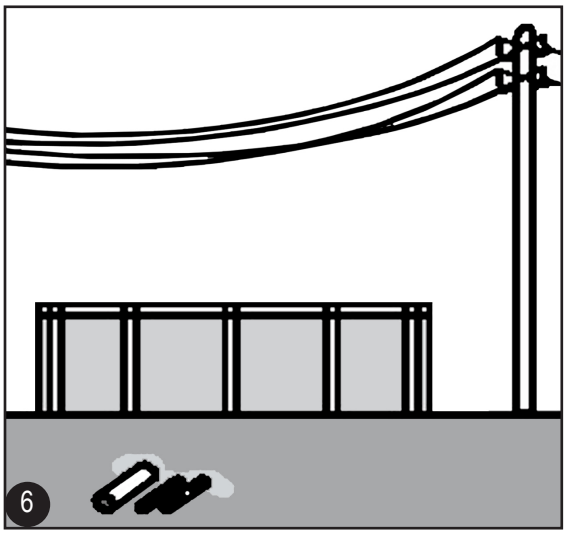
- Overhanging tree branches.
- Overhead wires and clotheslines.
- Buried pipes and wires-contact your gas, electric and telephone utilities to find buried pipes and wires before you dig.
- Hilly and uneven terrain.
- Areas with poor drainage.
- Grass, stones and roots. Grass will rot underneath the pool liner, and stones and roots will damage the pool liner.
- Areas recently treated with oil-based weed killers, chemicals or fertilizers.



Important:
When locating the centre of the pool, **be sure** to take into consideration any structures (deck, patio, house) or relevant items (change rooms, gazebo, etc.) that the pool may need to line up with and ensure that the pool is in the most visual pleasing location for your property.

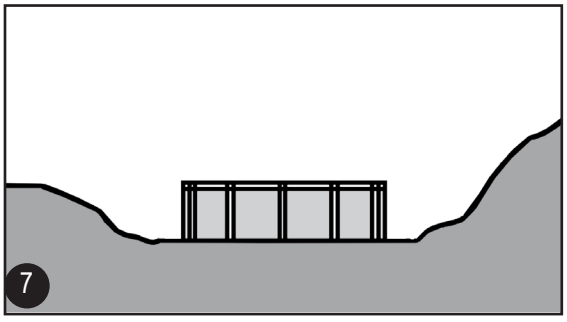
3. Plan Ahead

- Will you be adding an adjacent deck later? Be sure to leave room.
- Will you be using pool accessories or other appliances that need electricity or gas? Locate your pool near these services or plan to have them installed later by a licensed contractor.



4. Tools Needed

Make sure you have the necessary tools and materials before beginning your installation:



- Shovel
- Hammer
- Tape Measure
- SprayPaint
- Screwdriver
- Level
- Straight wood plank
- Rake
- String & Stakes
- Duct tape
- Wheelbarrow
- Mallet
- Waterhose
- Compactor
- Vacuum cleaner
- Wrench
- Cement blocks (5cm x 20cm x 40cm / 2"x8"x16") (optional)
- Material that provides a permanent base (ex. crushed stone)
- Fine Sand (void of debris)
- 2 x Plywood (60cm x 120cm / 2ft x 4ft)
- Pool Carpeting (optional)
- Polyethlyne Plastic Sheeting
- Vinyl covered hooks to hold the wall steady

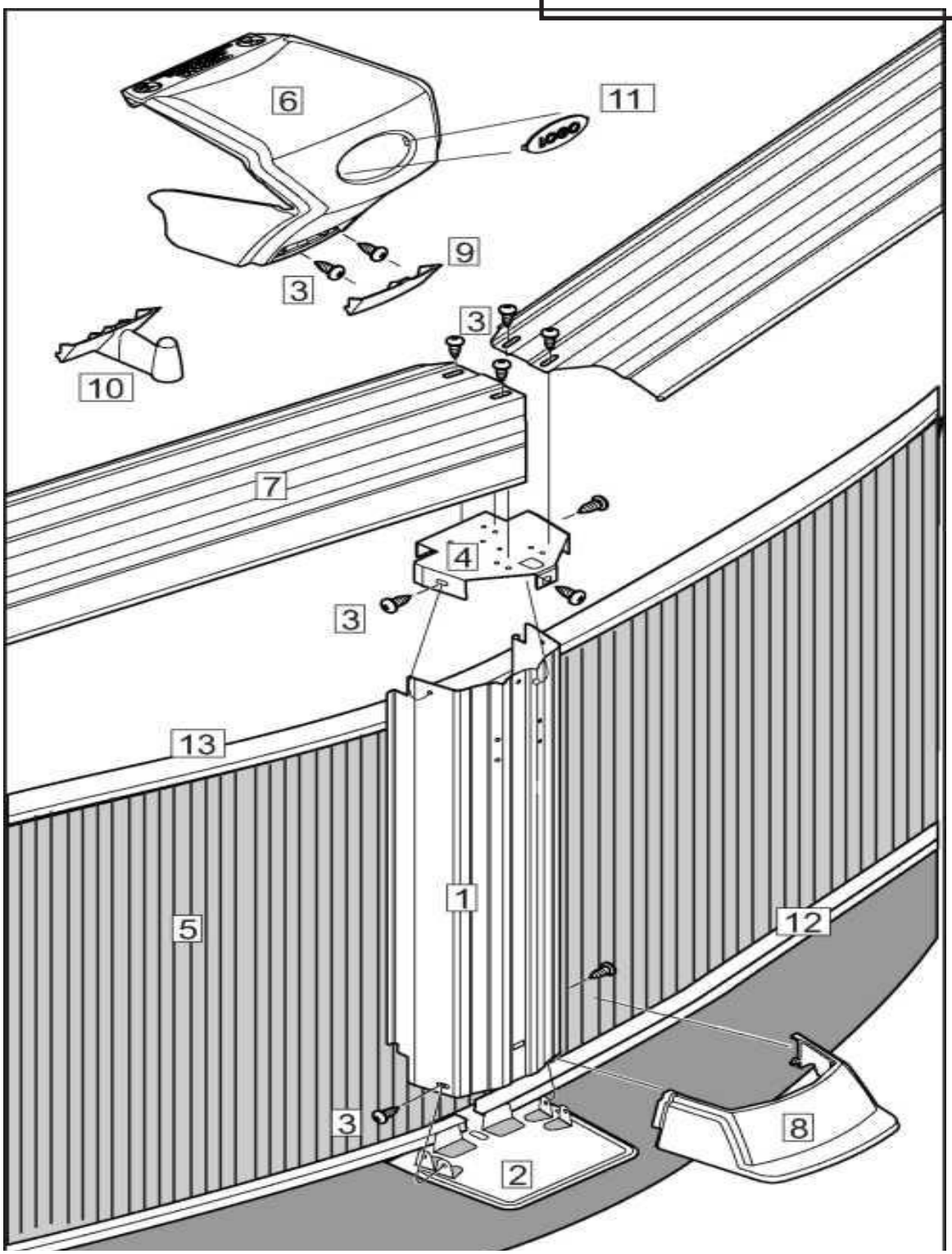
PLEASE BE SURE TO FOLLOW THE CORRECT PARTS LISTING FOR YOUR POOL THAT MAY HAVE THE NAME;

Ambassador or;
Century

PARTS LISTING - EXPLODED VIEW

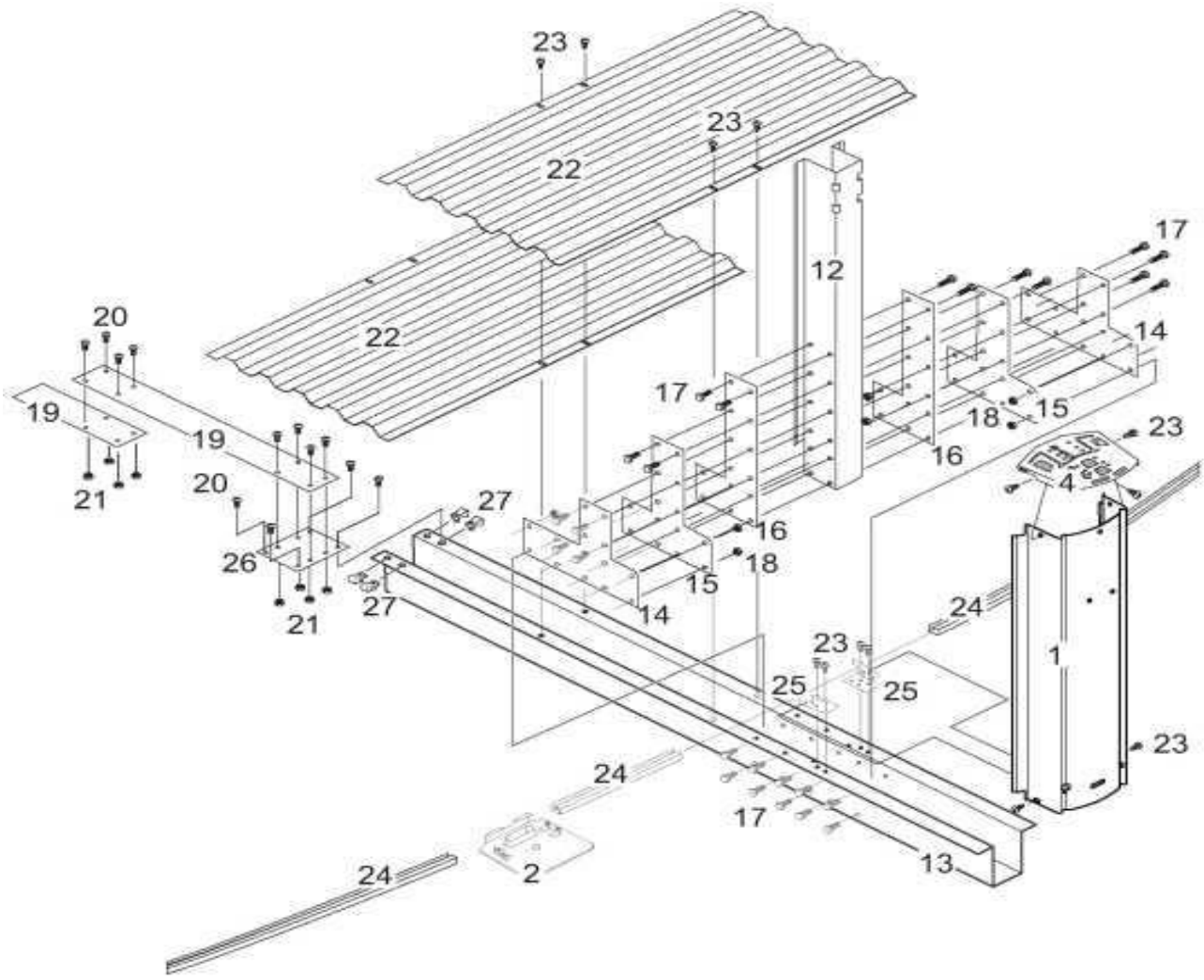
Ambassador Mist Grey STR
PAMB-52SSPSSI1
Round

Important Note:
Make sure you have all the parts necessary before you start installation.



PARTS LISTING - EXPLODED VIEW

Ambassador Mist Grey STR
PAMB-GB52SSPSSI1
Gibraltar



PARTS LISTING - CONTENT LIST

Product Description:	**Ambassador Oval**					Revised Sept.2012	
Product Code:	**PAMB-GB52SSPSSI1**						
				Quantity required for installation (by pool size)			
INDEX#	**DESCRIPTION**	**PARTS#**	**LENGTH**	**1218**	**1224**	**1530**	**1833**
4	Top Plate	1320178		12	16	16	18
2	Bottom Plate	1320195		10	10	10	12
n/a	Flat Coping	10296		13	16	20	23
13	Omega Slotted tube	16799	8''	2	6	6	
		35402	45-1/2''	8	8		
		35403	57''				
		35404	56-3/4''	4			6
		35405	56-3/4''			4	12
		35406	53-1/2''				
		35407	45-5/8''		4		
		35408	42-1/8''		4		
		36468	57-5/8''			8	
		36469	51''			4	
12,24	Bottom Rail	1254412	44-5/8''	8	8		
		1255615	55-7/8''			8	
		1255618	55-7/8''	4			6
		1255624	56-1/8''			8	12
		1254424	44-5/8''		4		
		1254418	44-5/8''		4		
19	Strap Section	1510139	46-9/16''	2	6		
		1510140	44-7/16''			9	
		1510141	56-7/16''				9
25	Left/right upright clip	1320169		2	6	6	6
6	Ledge Cover - 1 Piece	1490577		12	16	16	18
8	Foot cover	1490578		12	16	16	18
9	Cover plug for ledge cover	1490579		3	4	4	5
10	Cover Hook (Optional)	1490580		12	16	16	18
11	Logo Insert (pack of 4)	1490576		3	4	4	5
n/a	Wall Hardware - 48/52/54"	10608					
3	Hardware	1184298		1	1	1	
		1184299		2	1	1	1
		1184300					2
		1184301			1	1	
17 to 27	Hardware	1184293		1	3	3	3
n/a	DVD	36877		1	1	1	1
7	Top Ledge Curve	1450803	45-9/16''	8	8		
		1450804	56-31/32''			8	10
	Top Ledge Str Side	1450628	47-1/4''		4		
		1450629	58-3/4''			4	4
	Top Ledge Trans	1450805	47-1/8''		4		
		1450806	58-3/8''	4		4	4
1	Upright	1440503	51-1/2''	12	16	16	18
12	Upright Oval Channel	1440383	52''	2	6	6	6
13	Bottom Channel	1440335		2	6	6	6
14	Outside "T" bracket	1320139		4	12	12	12
15	Middle "T" bracket	1320138		4	12	12	12
16	Inside "L" bracket	1320147		4	12	12	12
22	Hold Down Plate	1320166		4	12	12	12
26	Bracket for Strap	1320164		2	6	6	6
3	Hardware Pack	1184293		1	3	3	3
5	Wall			1	1	1	1
	Wall joiner bar	11823		2	2	2	2

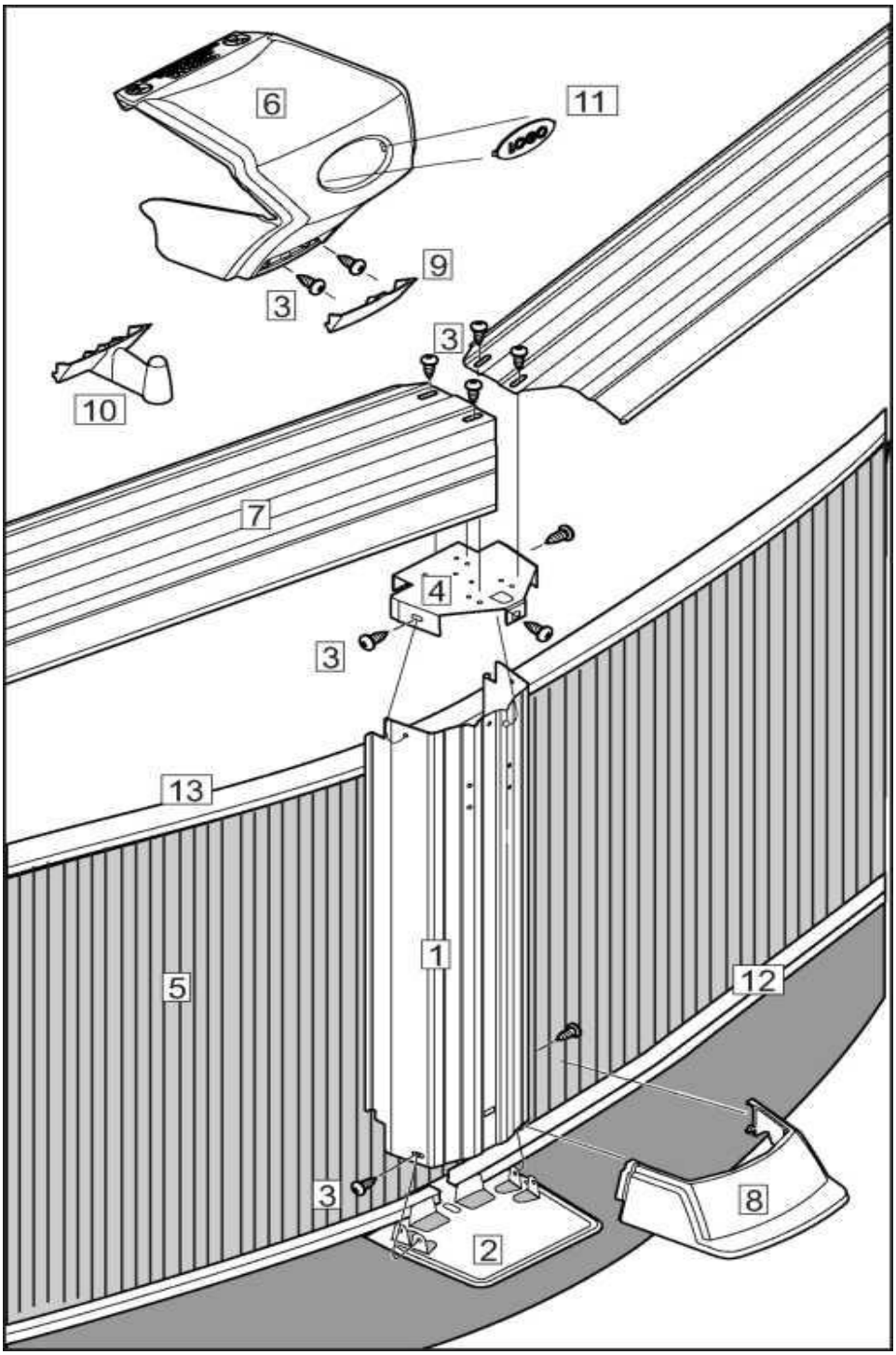
No Diving or Jumping.

Observe all Safety Rules.

PARTS LISTING - EXPLODED VIEW

Century STR
PCEN-52SSSTSSIB1
Round

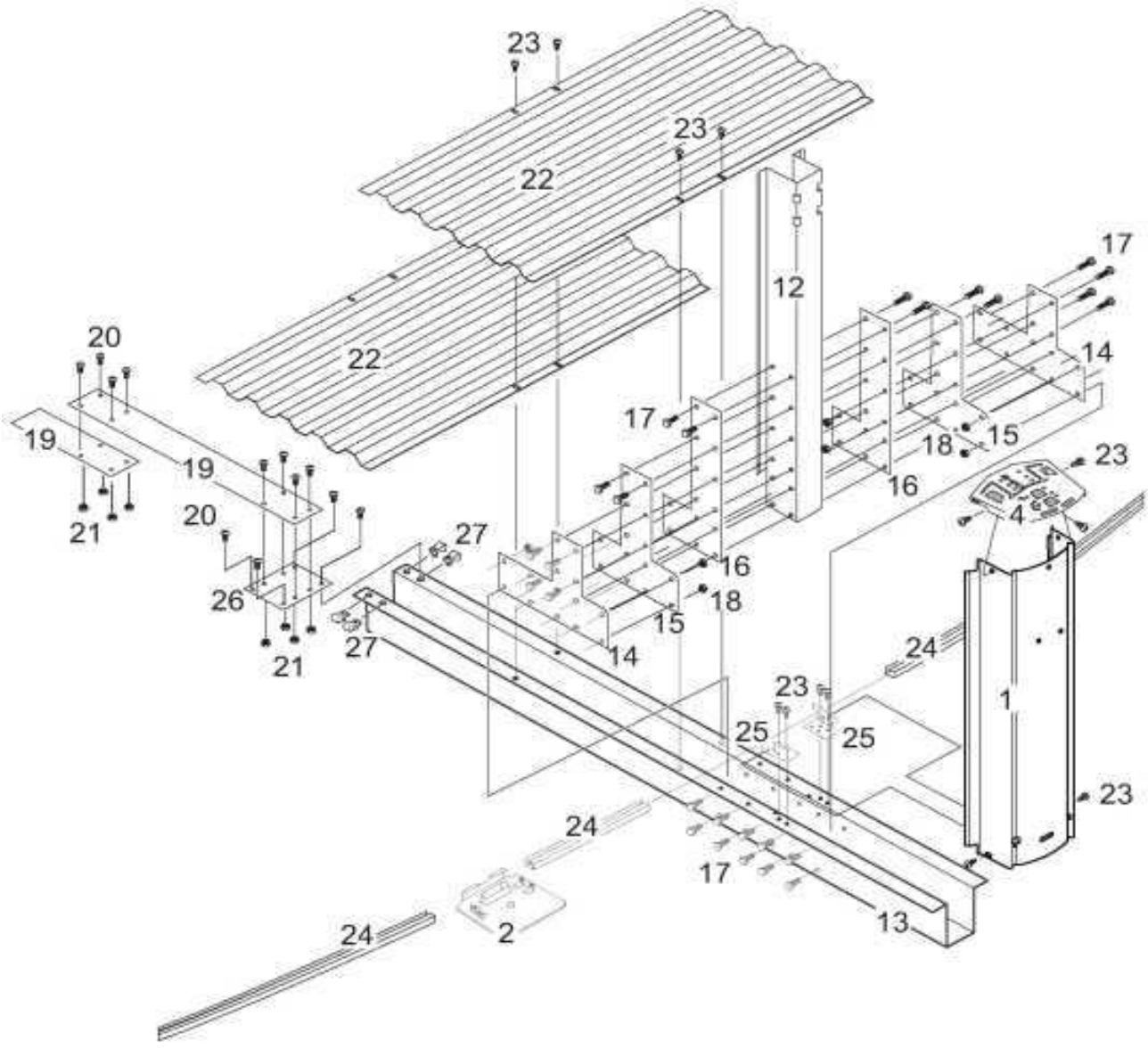
Important Note:
Make sure you have all the parts necessary before you start installation.



No Diving or Jumping. *Observe all Safety Rules.*

PARTS LISTING - EXPLODED VIEW

Century STR
PCEN-GB52SSSTSSIB1
Gibraltar



PARTS LISTING - CONTENT LIST

Product Description: **Century Oval** Revised Sept.2012

Product Code: **PCEN-GB52SSSTSSIB1**

				Quantity required for installation (by pool size)				
INDEX#	**DESCRIPTION**	**PART#**	**LENGTH**	**1218**	**1224**	**1524**	**1530**	**1833**
4	Top Plate	1320178		12	16	14	16	18
2	Bottom Plate	1320195		10	10	10	10	12
n/a	Slotted tube connector (steel)	1470108	6''	10	10	10	10	12
n/a	Slotted tube connector - side (resin)	1470087		2	6	4	6	6
13	Slotted tube	1470096	44''	8	8			
	Slotted tube	1470097	55-1/2''			8	8	
	Slotted tube (Yellow)	1470098	55-1/4''	4				6
	Slotted tube (Green)	1470100	55-1/2''			4	8	12
	Slotted tube (Blue)	1470104	44-1/8''		4			
	Slotted tube (White)	1470105	44-1/8''		4	2		
25	Left/right upright clip	1320169		2	6	4	6	6
n/a	Round Coping	1382480	47''	13	16	17	20	23
12/24	Bottom Rail 12' Dia.	1254412	44-5/8''	8	8			
	Bottom Rail 15' Dia.	1255615				8	8	
	Bottom Rail 18' Dia.	1255618		4				6
	Bottom Rail 24' Dia.	1255624				4	8	12
	Bottom Rail 24' Dia.	1254424	44-5/8''		4	2		
	Bottom Rail 18' Dia.	1254418	44-5/8''		4			
19	Strap Section	1510139	46-9/16''	2	6			
		1510140	44-7/16''			6	9	
		1510141						9
7	Top Ledge Curved	1450795	45-9/16''	8	8			
		1450796	56-27/62''			8	8	10
	Top Ledge Str Side	1450584	47-1/4''		4	2		
		1450585	58-3/4''				4	4
	Top Ledge Trans	1450797	47''		4			
		1450798	58-1/4''	4		4	4	4
n/a	DVD	36877		1	1	1	1	1
1	Upright	1440501	51-1/2''	12	16	14	16	18
3	Hardware	1184298		1				1
	Hardware	1184299		2	2	3	2	2
	Hardware	1184300			1		1	1
6	Ledge Cover - 1 Piece	1490586		12	16	14	16	18
8	Foot cover	1490587		12	16	14	16	18
9	Cover plug	1490588		12	16	14	16	18
10	Cover Hook (Optional)	1490589		6	6	6	6	6
11	Logo Insert (pack of 4)	1490573		12	16	14	16	18
12	Upright channel 52"	1440383		2	6	4	6	6
13	Bottom Channel	1440335		2	6	4	6	6
14	Outside "T" bracket	1320139		4	12	8	12	12
15	Middle "T" bracket	1320138		4	12	8	12	12
16	Inside "L" bracket	1320147		4	12	8	12	12
22	Hold Down Plate	1320166		4	12	8	12	12
26	Bracket for Strap	1320164		2	6	4	6	6
17 to 27	Hardware Pack	1184293		1	3	2	3	3
5	Wall			1	1	1	1	1
	Wall joiner bar	11823		2	2	2	2	2

NOTE: IF POOL IS EQUIPPED WITH RESIN BOTTOM RAILS, THEN USE THE FOLLOWING ITEMS INSTEAD OF THE STEEL BOTTOM RAILS AND STEEL BASE PLATES SHOWN IN THE PREVIOUS CHART

2	Bottom Plate - resin	1320192		10	10	10	10	12
12/24	Bottom Rail - 12' dia.	1344312	42-5/8''	8				
	Bottom Rail - 12' dia.	1324315	42-5/8''		8			
	Bottom Rail - 15' dia.	1325515	54''			8	8	6
	Bottom Rail - 24' dia.	1325524	54-1/4''			4	4	8
	Bottom Rail - 18' dia.	1345618	56''	4				
	Bottom Rail - 24' dia.	1324424	44-5/8''		4	2		
	Bottom Rail - 24' dia.	1345624	56-1/4''				4	4
	Bottom Rail - 18' dia.	1324415	43-5/8''		4			

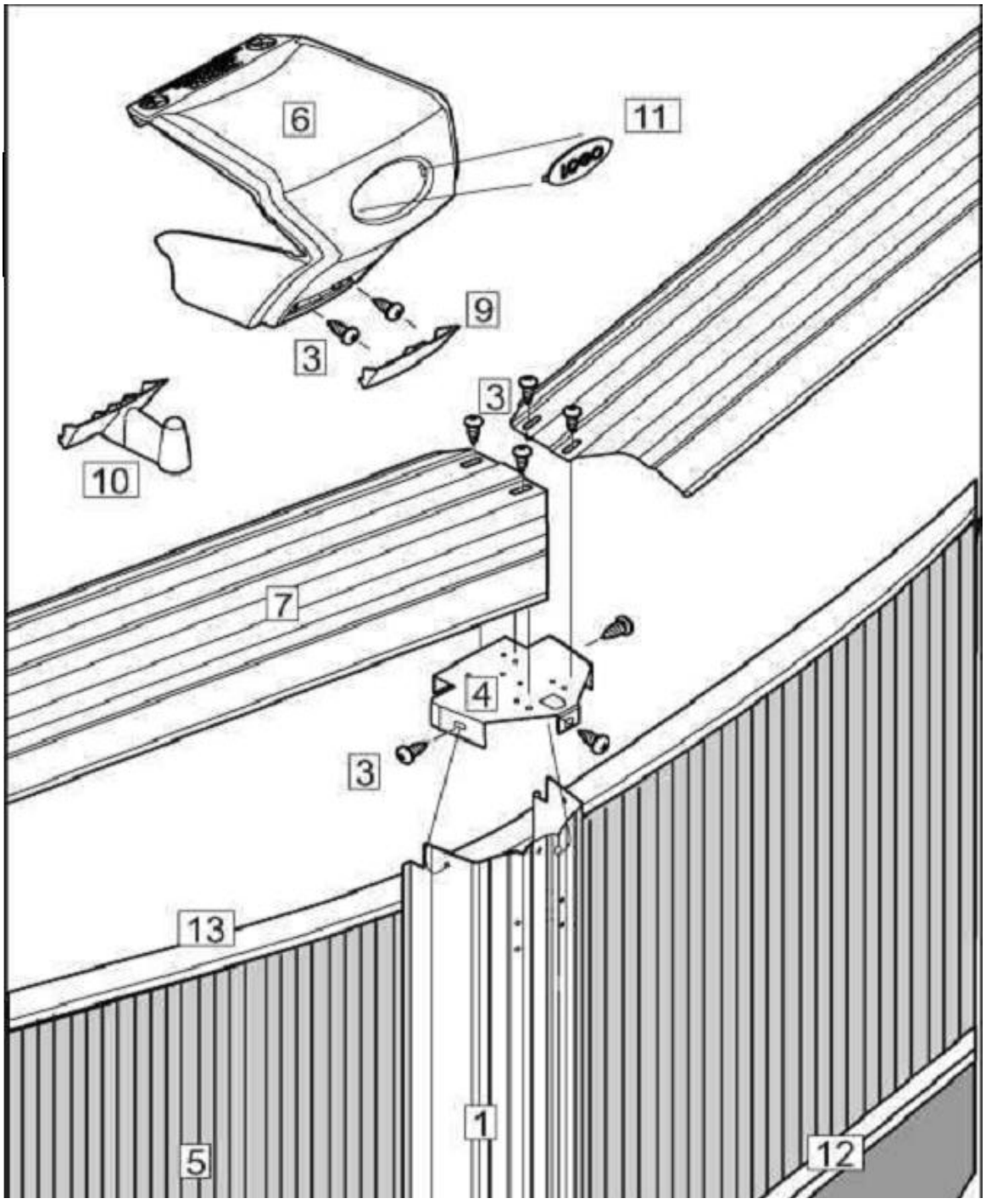
No Diving or Jumping.

Observe all Safety Rules.

PARTS LISTING - EXPLODED VIEW

Century STR
PCEN-52SSATSSIB1
Round

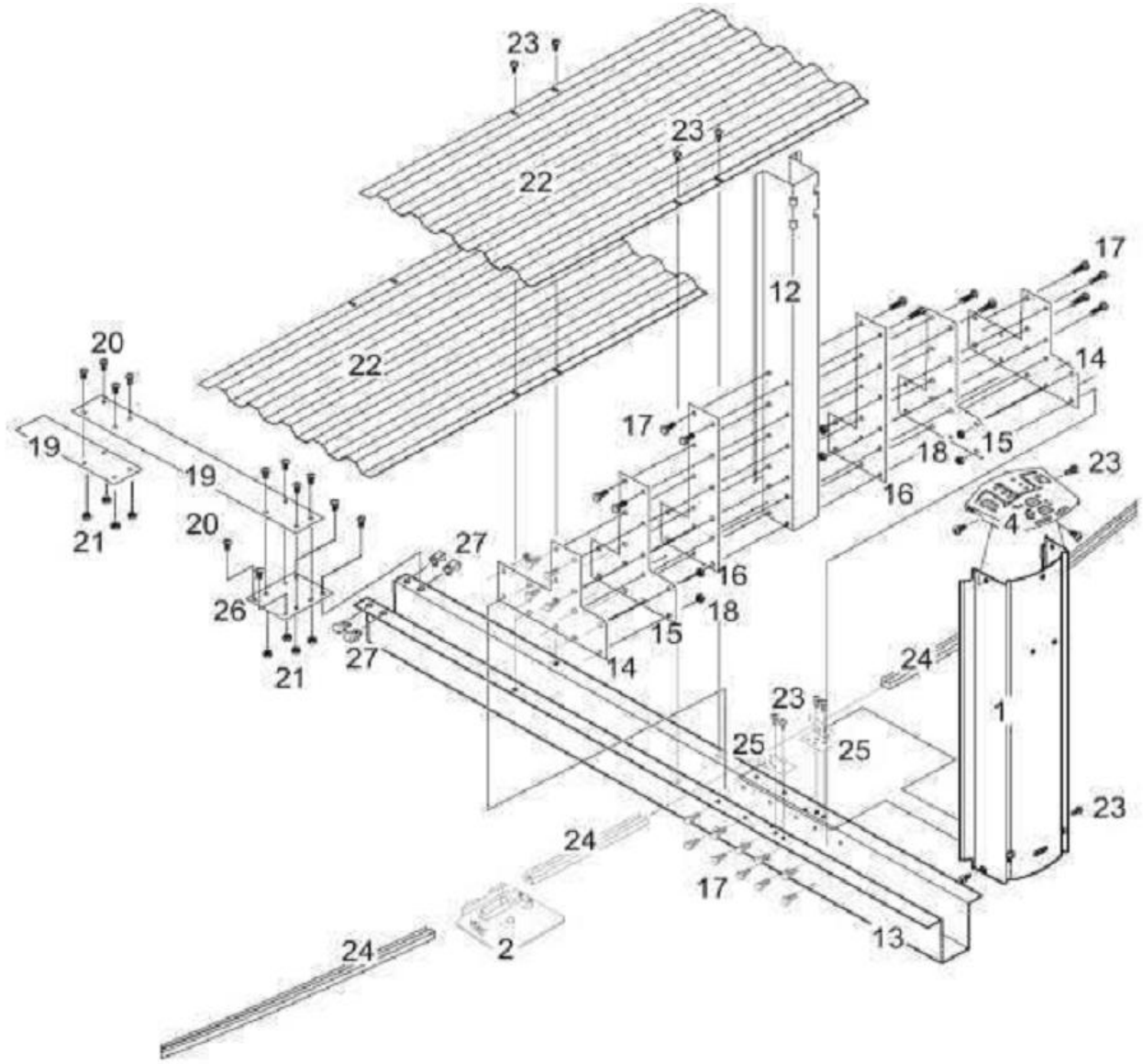
> **Important Note:**
> Make sure you have all the parts necessary before you start installation.



No Diving or Jumping. *Observe all Safety Rules.*

PARTS LISTING - EXPLODED VIEW

Century STR
PCEN-GB52SSATSSBI1
Gibraltar



PARTS LISTING - CONTENT LIST

Product Description: **Century Oval** Revised: Sept 2012

Product Code: **PCEN-GB52SSATSSIB1**

				Quantity required for installation (by pool size)				
INDEX#	**DESCRIPTION**	**PARTS#**	**LENGTH**	**1218**	**1224**	**1524**	**1530**	**1833**
4	Top Plate	1320178		12	16	14	16	18
2	Bottom Plate	1320195		10	10	10	10	12
	Slotted tube Connector (Steel)	1470108	6''	10	10	10	10	12
	Slotted tube Connector - side (Resin)	1470087		2	6	4	6	6
13	Slotted tube 12' dia.	1470096	44''	8	8			
	Slotted tube 15' dia.	1470097	55-1/2''			8	8	
	Slotted tube 18' dia. (Yellow)	1470098	55-1/4''	4				6
	Slotted tube 24' dia. (Green)	1470100	55-1/2''			4	8	12
	Slotted tube 18' dia. (Blue)	1470104	44-1/8''		4			
	Slotted tube 24' dia. (White)	1470105	44-1/8''		4	2		
25	Left/Right upright clip	1320169		2	6	4	6	6
	Round Coping	1382480	47''	13	16	17	20	23
12/24	Bottom Rail 12' diam.	1254412	44-5/8''	8	8			
	Bottom Rail 15' diam.	1255615	55,820''			8	8	
	Bottom Rail 18' diam.	1255618	55,585''	4				6
	Bottom Rail 24' diam.	1255624	55,650''			4	8	12
	Bottom Rail 24' diam.	1255424	44-5/8''		4	2		
	Bottom Rail 18' diam.	1255418	44-5/8''		4			
19	Strap 12'- GIB	1510139		2	6			
	Strap 15'- GIB	1510140				6	9	
	Strap 18'- Gib	1410141						9
7	Top Ledge	1440795	45-9/16''	8	8			
	Top Ledge	1450796	56-31/32''			8	8	10
	Side Top Ledge (between buttress)	1450584	47-1/4''		4	4		
	Side Top Ledge (between buttress)	1450585	58-3/4''				4	4
	Transition Top Ledge	1450797	47-1/8''		4			
	Transition Top Ledge	1450798	58-3/4''	4		4	4	4
	DVD	36877		1	1	1	1	1
1	Upright	1440501	51-1/2''	12	16	14	16	18
3	Hardware	1184298		1	1	1	1	
	Hardware	1184299		2	1	1	1	1
	Hardware	1184300				1		2
	Hardware	1184301			1		1	
6	Ledge Cover - 1 Pieces	1490586		12	16	14	16	18
8	Foot Cover	1490587		12	16	14	16	18
9	Cover Plug for ledge cover	1490588		3	4	4	4	5
10	Cover Hook (Optional)	1490589		12	16	14	16	18
11	Logo Insert (Pack of 4)	1490573		3	4	4	4	5
12	Upright Channel	1440383	52''	2				
13	Bottom Channel	1440335		2	6	4	6	6
14	Outside ''T'' Bracket	1320139		4	12	8	12	12
15	Middle ''T'' Bracket	1320138		4	12	8	12	12
16	Inside ''L'' Bracket	1320147		4	12	8	12	12
22	Hold Down Plate	1320166		4	12	8	12	12
16	Bracket for Strap	1320164		2	6	4	6	6
17 to 27	Hardware Pack	1184293		1	3	2	3	3
5	Wall			1	1	1	1	1
	Wall Bar	11823		2	2	2	2	2

NOTE: IF POOL IS EQUIPED WITH ALUMINUM BOTTOM RAILS, THEN USE THE FOLLOWING ITEMS INSTEAD OF THE STEEL BOTTOM RAILS SHOWN IN THE PREVIOUS CHART. Also used for the Slotted tube bar Key #13.

12/24	Bottom Rail 12' diam.	ALU1254412	44-5/8''	8	8			
	Bottom Rail 15' diam.	ALU1255615	55,820''			8	8	
	Bottom Rail 18' diam.	ALU1255618	55,585''	4				6
	Bottom Rail 24' diam.	ALU1255624	55,650''			4	8	12
	Bottom Rail 24' diam.	ALU1254424	44-5/8''		4	2		
	Bottom Rail 18' diam.	ALU1254418	44-5/8''		4			

No Diving or Jumping. *Observe all Safety Rules.*

C. Prepare the Foundation of your Pool

Important:
When locating the centreline of the pool, **be sure** to take into consideration any structures (deck, patio, house) or relevant items (change rooms, gazebo, etc.) that the pool may need to line up with and ensure that the pool is in the most visual pleasing location for your property.

12 x 18 (3,66m x 5,49m)
Oval Pool Dimensions

R 76-1/2" (193 cm)
S 88-1/2" (224 cm)
L 28" (72 cm)
M 28" (72 cm)
P 56" (143 cm)
W 96" (244 cm)
X 72" (183 cm)
Y 80-1/2" (204 cm)
Z 100" (254cm)

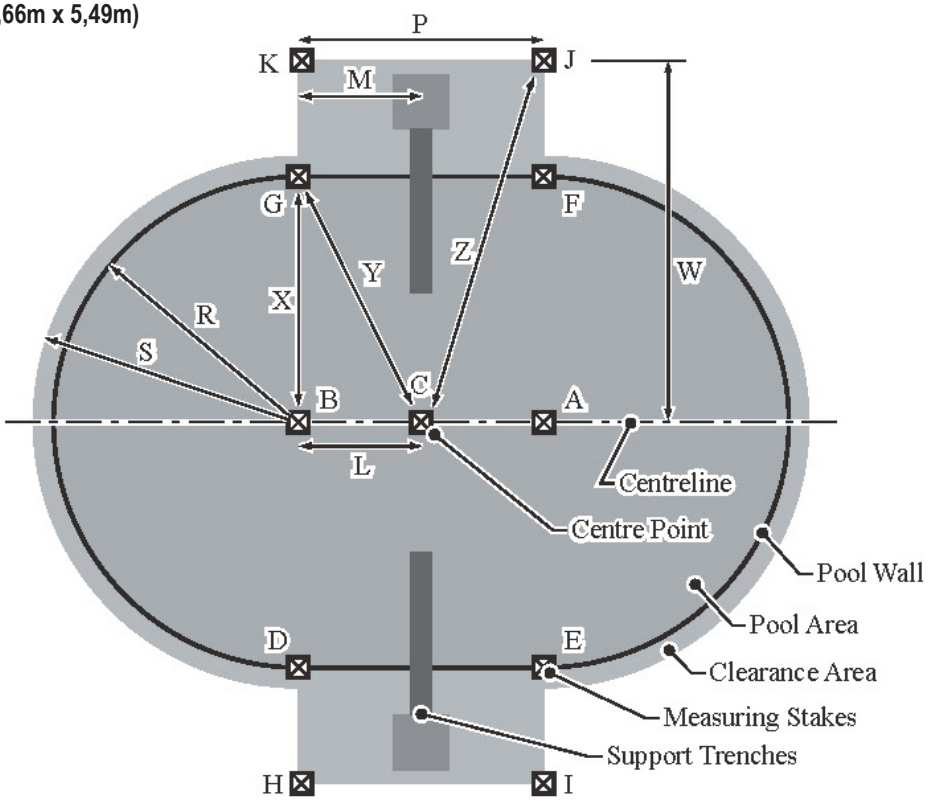
12 x 24 (3,66m x 7,32m)
Oval Pool Dimensions

R 74-1/4" (188 cm)
S 86-1/4" (218 cm)
L 67-7/8" (170 cm)
M 20" (51 cm)
N 48" (122 cm)
P 135-3/4" (343 cm)
W 96" (244 cm)
X 72" (183 cm)
Y 86-1/2" (219 cm)
Z 117-1/2" (297 cm)

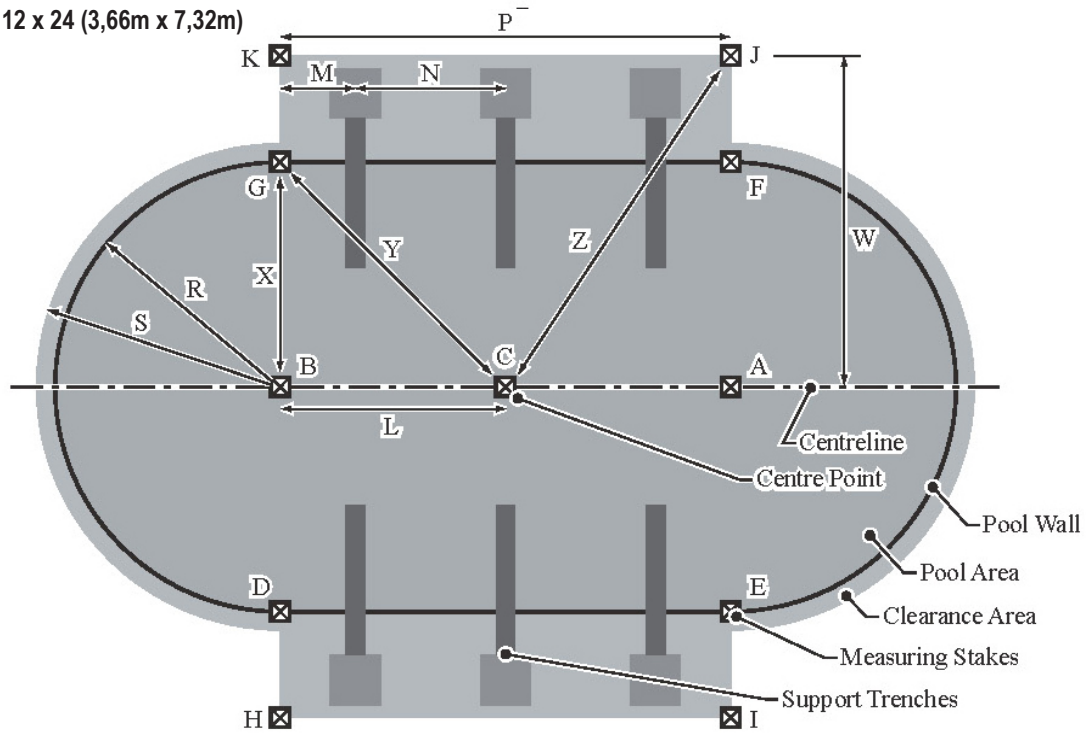
1. Choose the Correct Ground Preparation Drawing

a. Choose the drawing that matches your pool size from the five plan drawings below. This drawing will have all of the necessary dimensions for the ground preparation instructions that follow. **NOTE: Please be sure to use your pool's footprint for your pool size on the last pages of this Section 1.**

12 x 18 (3,66m x 5,49m)



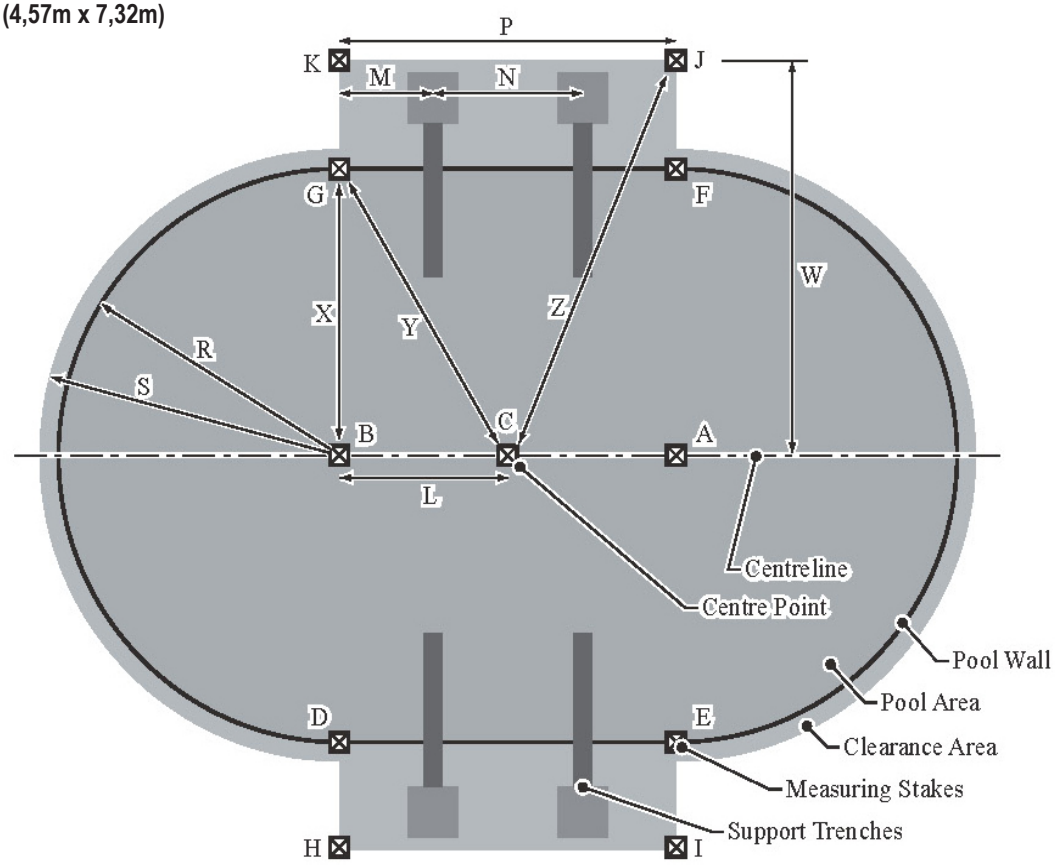
12 x 24 (3,66m x 7,32m)



15 x 24 (4,57m x 7,32m)
Oval Pool Dimensions

R 93" (236 cm)
S 105" (267 cm)
L 49" (125 cm)
M 25" (64 cm)
N 48" (122 cm)
P 96" (244 cm)
W 114" (290 cm)
X 90" (229 cm)
Y 93-1/8" (236 cm)
Z 124" (315 cm)

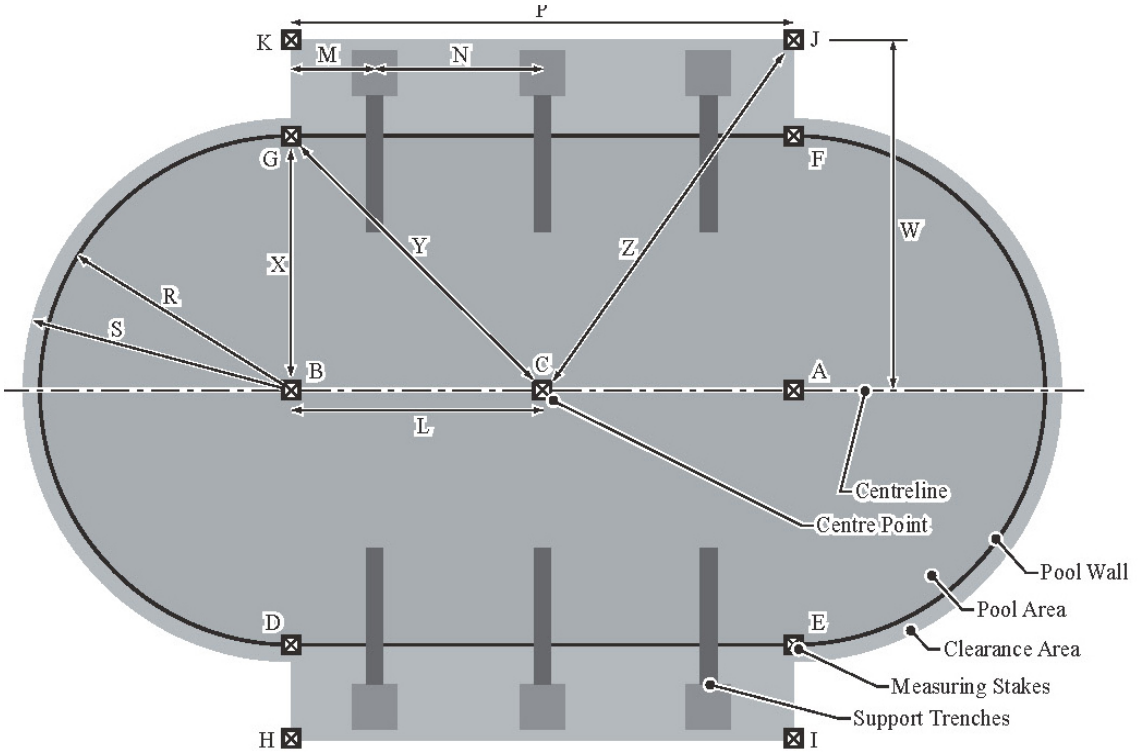
15 x 24 (4,57m x 7,32m)



15 x 30 (4,57m x 9,14m)

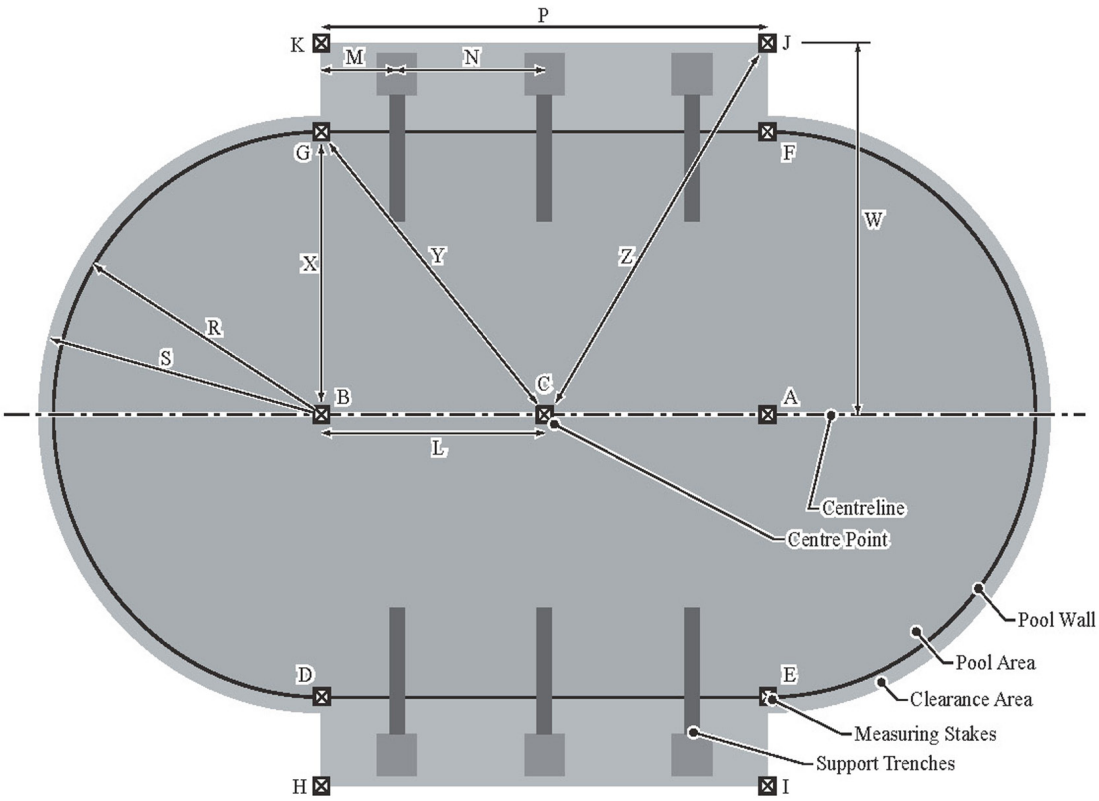
15 x 30 (4,57m x 9,14m)
Oval Pool Dimensions

R 93" (236 cm)
S 105" (266 cm)
L 84-5/8" (214 cm)
M 25-1/4" (64 cm)
N 59-1/2" (150 cm)
P 189-1/4" (480 cm)
W 114" (290 cm)
X 90" (229 cm)
Y 107-7/8" (272 cm)
Z 142" (360 cm)



18 x 33 (5,49m x 10,05m)
Oval Pool Dimensions

R 110-1/2" (279 cm)
S 122-1/2" (310 cm)
L 87-7/8" (221 cm)
M 25-1/2" (64 cm)
N 59-1/2" (150 cm)
P 169-3/4" (429 cm)
W 132" (335 cm)
X 108" (274 cm)
Y 123-1/4" (312 cm)
Z 157" (399 cm)

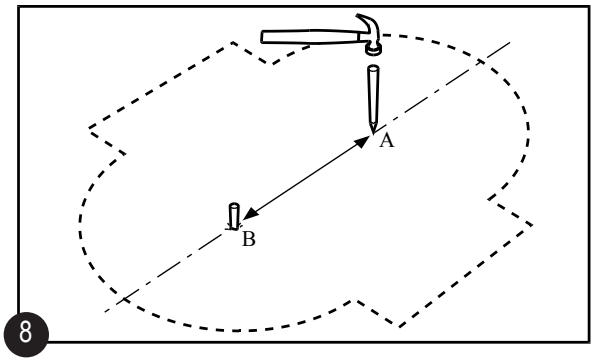


Important:
Determine the location of your pool. **Make sure** you have the proper distances away from any adjacent structures (i.e. fences, house etc.). Contact local authorities for this information and any additional requirements governing the installation of a pool in your area.

By using the distances provided by local authorities and adding them to dimension S from the drawings above, you can calculate the location of the centreline of the pool.

2. Mark out the Area

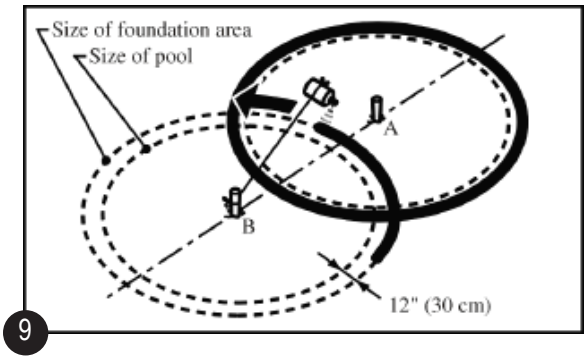
a. Drive two pegs (A) and (B) into the ground. These pegs will both be on the centreline of your pool. Choose the right distance between them from the chart below. Note: Distance A to B is equal to dimension P on the previous ground preparation drawings.



8

Pool Size	Distance between two pegs (A) and (B)
12' x 18' (3,66m x 5,49m)	72" (183cm)
12' x 24' (3,66m x 7,32m)	144" (366 cm)
15' x 24' (4,57m x 7,32m)	108" (274cm)
15' x 30' (4,57m x 9,14m)	180" (457cm)
18' x 33' (5,49m x 10,05m)	180" (457cm)

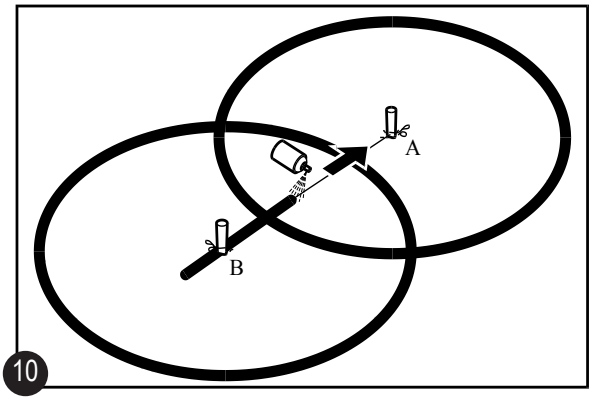
b. Use a length of string tied between peg (A) and a can of spray paint, and mark a circle on the ground. Next, do the same for peg (B). Choose the length of string you need for your pool from the chart below. The circles will be 12" (30 cm) bigger all round than the pool.



9

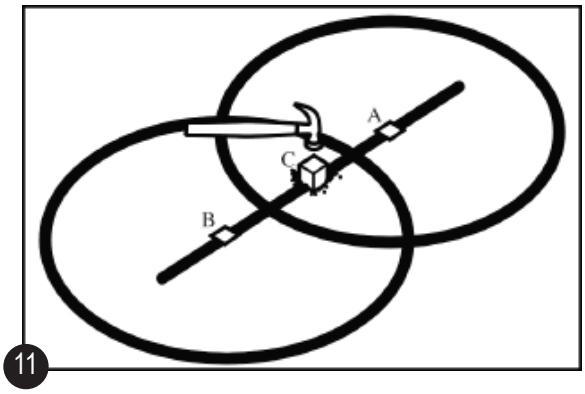
Pool Size	Length of String
12' x 18' (3,66m x 5,49m)	84" (213cm)
12' x 24' (3,66m x 7,32m)	84" (213 cm)
15' x 24' (4,57m x 7,32m)	102" (259cm)
15' x 30' (4,57m x 9,14m)	102" (259cm)
18' x 33' (5,49m x 10,05m)	120" (305cm)

c. Join the two pegs (A) and (B) with a piece of string. Use this string as a guide to paint your centreline on the ground with the can of spray paint.



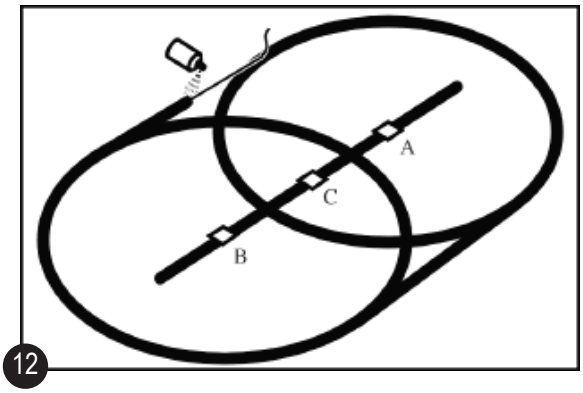
10

d. Drive a flat-topped stake (C) exactly halfway between the two pegs (A) and (B) on the centreline. Stake (C) will mark the exact centre point of your pool. The stake must be at least 1" (25 mm) square and 6" (15 cm) long. Drive it down flush with the ground surface.



11

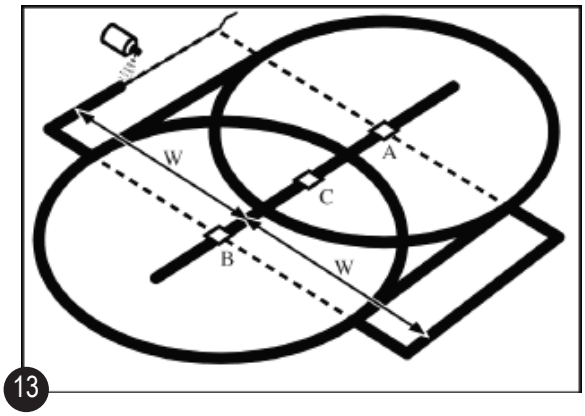
e. Replace the two pegs (A) and (B) with two more flat-topped stakes. Drive them down flush with the ground surface.



12

f. Join the two circles with straight lines to make an oval. Use pegs and a piece of string as a guide for the can of spray paint.

g. Mark areas along both straight sides of your oval. Use pegs and string as a guide for the can of spray paint to mark straight lines. Use the chart below to find the correct **width W** from the centreline of the pool. The ends of the side areas should line up squarely with stakes (A) and (B).



13

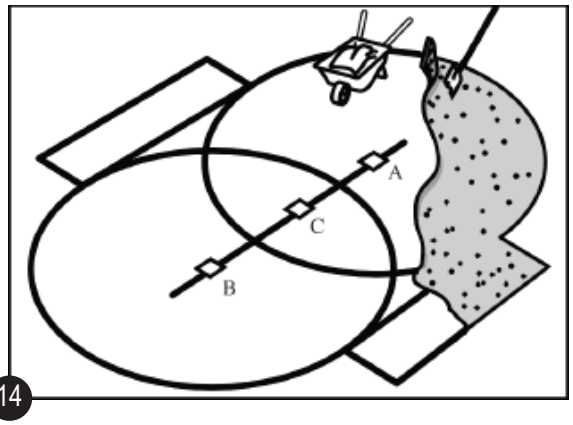
Important:
Measure carefully to make sure the centre stake (C) is in the correct location, **exactly halfway** between pegs (A) and (B). You will use stake (C) later as a reference point for other measurements.

Pool Size	Distance from Centreline for Side Area W
12' x 18' (3,66m x 5,49m)	96" (244cm)
12' x 24' (3,66m x 7,32m)	96" (244 cm)
15' x 24' (4,57m x 7,32m)	114" (290cm)
15' x 30' (4,57m x 9,14m)	114" (290cm)
18' x 33' (5,49m x 10,05m)	132" (335cm)

3. Remove the Sod

a. Remove all sod and plants from the area.

b. Remove any sticks, stones and roots from the area.



14

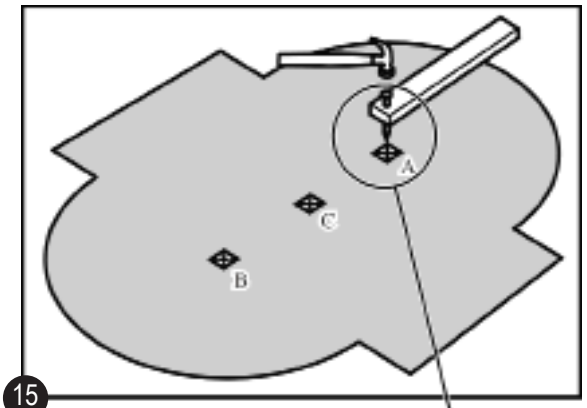
4. Make the Area Flat and Level

a. You will use a 2-by-4 to help level the pool foundation area. Choose the length of straight 2-by-4 you need for your pool from the chart below.

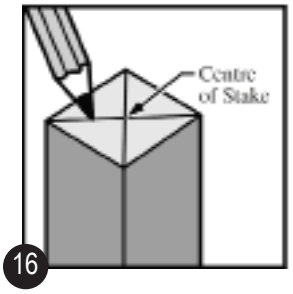
Pool Size	Length of plank 2-by-4 (5cm x 10cm)
12' x 18' (3,66m x 5,49m)	84" (213cm)
12' x 24' (3,66m x 7,32m)	84" (213 cm)
15' x 24' (4,57m x 7,32m)	102" (259cm)
15' x 30' (4,57m x 9,14m)	102" (259cm)
18' x 33' (5,49m x 10,05m)	120" (305cm)

b. Adjust the height of the stake (A, B or C) that is located at the **lowest** end of the pool area by hammering it down until it is **exactly** level with the ground. Place a carpenter's level on a 2-by-4 and place the board across the three stakes to make sure the tops are exactly level with each other. Adjust the other two stakes down as needed.

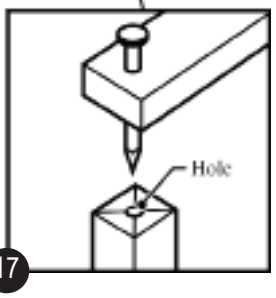
c. Nail one end of the 2-by-4 to the top of the stake where the level of the pool foundation is **lowest.** Drill a hole for the nail in the **centre** of the top of the stake first and make the hole big enough so the nail is a little loose and can be removed without moving the stake. Mark the centre of the stake before you drill the hole by marking lines diagonally from opposite corners (see diagram 16). Use a nail long enough to hold the end of the 2-by-4 to the stake while you rotate it in a circle.



15



16

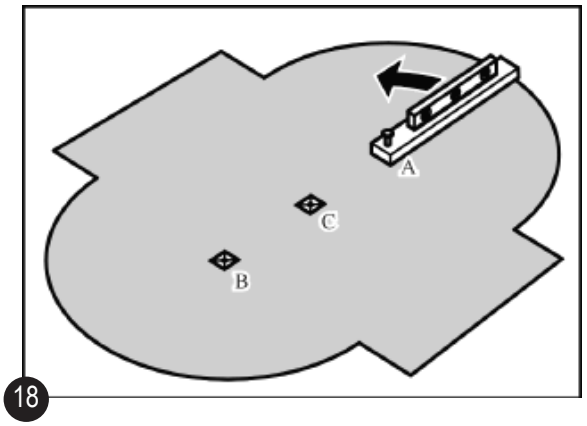


17

Remember:
Your pool must be perfectly level. Take the time you need to be sure your foundation is perfectly level.

d. Put a carpenter's level on the 2-by-4 and swing the board in a circle to find the high and low spots.

e. Remove all the high spots with a shovel, hoe or rake. To make sure your pool is stable, compact the ground well before adding the sand. Be prepared to hire earth moving equipment if you need to level a large area. Remember, your pool must be level across the diameter of the pool

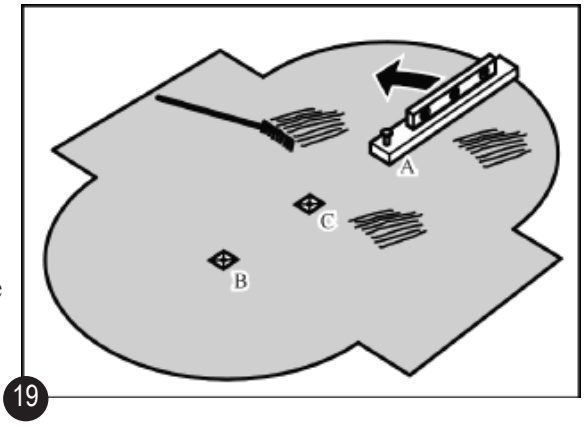


18

f. Small dips and hollows may be filled in, but the soil must be hard-packed with a tamping tool.

g. Remove the 2-by-4 from the stake and nail it to the next stake on the centreline.

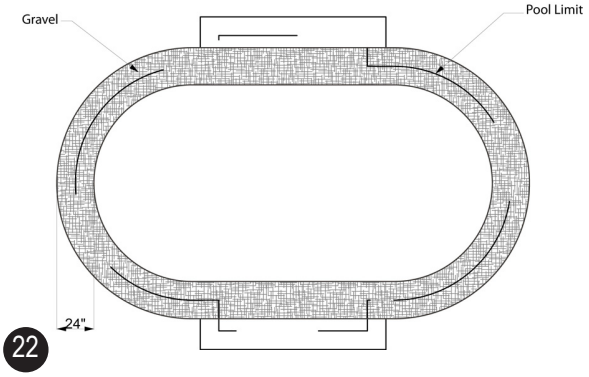
h. Repeat the last five steps until the whole oval area is level. Take your time and make sure the area is **perfectly level.** If necessary, adjust the height of each stake and keep scraping away soil until the entire area is level.



19

Hint:
Use a surveyor's transit instead of a carpenter's level, if one is available.

i. Take material such as rock dust or fine mortar that can conform a solid, permanent base and deposit this material around the rim of the basin. The material used should be spread around the perimeter of the pool to a width of 24" (60cm) and a thickness of 2" (5cm).



22

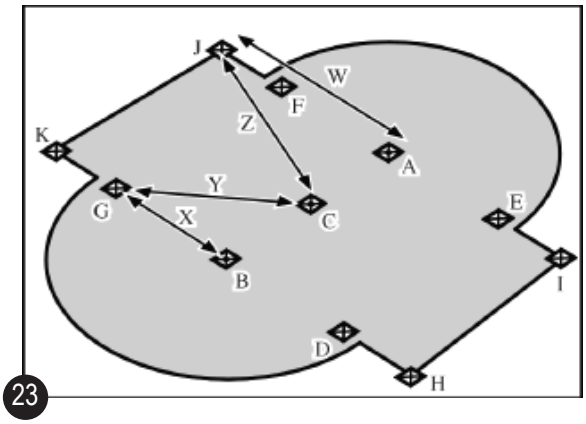
j. Recheck the outer perimeter of the oval shape, where the pool wall will be placed. Compact the ground and make sure there are no high or low spots. The bottom edge of the pool wall must rest flat on the ground and have no gaps under it.

Remember:
The outer 12" (30 cm) of the cleared oval area must be perfectly flat. The bottom edge of the pool **must** rest flat on the ground and have no gaps under it. Take the time you need to be sure this area is perfectly flat and level.

5. Add Corner Stakes

a. Prepare eight corner stakes (D), (E), (F) & (G), and (H), (I), (J) & (K) by marking the centre point of each stake the same way as in step 4(c).

b. Drive the eight corner stakes into the ground. Drive them down flush with the ground surface. Locate each stake exactly by using the measurements for your pool in the chart below. Be sure to measure using the centre point of each stake.



23

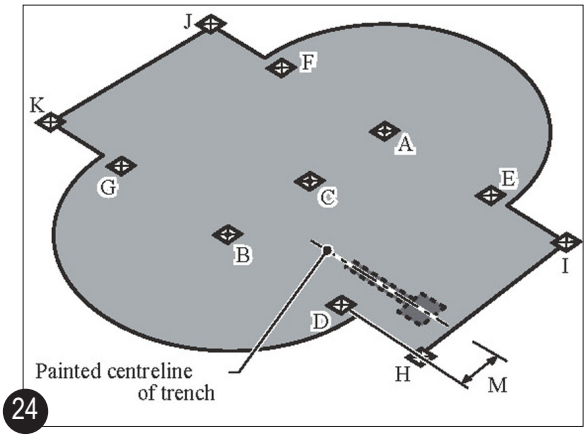
c. Tie strings between stakes (H) and (I) and between (J) and (K).

Pool Size	Distance X	Distance Y	Distance W	Distance Z
12' x 18' (3,66m x 5,49m)	72" (183cm)	80-1/2" (204cm)	96" (244cm)	102-1/2" (260cm)
12' x 24' (3,66m x 7,32m)	72" (183 cm)	101-3/4" (258cm)	96" (244cm)	120" (305cm)
15' x 24' (4,57m x 7,32m)	90" (229cm)	105" (267cm)	114" (290cm)	126-1/8" (320cm)
15' x 30' (4,57m x 9,14m)	90" (229cm)	127-1/4" (323cm)	114" (290cm)	145-1/4" (369cm)
18' x 33' (5,49m x 10,05m)	108" (274cm)	140-5/8" (357cm)	132" (335cm)	159-3/4" (406cm)

6. Prepare Buttress Trenches

a. Locate the first trench by measuring the **distance M** from the centre of stake (H) to the **centreline** of the trench. Use the chart below to find the right distance M for your pool.

b. Place a stake in the ground on the edge of the cleared area at distance M, underneath the string added in step 5(c).

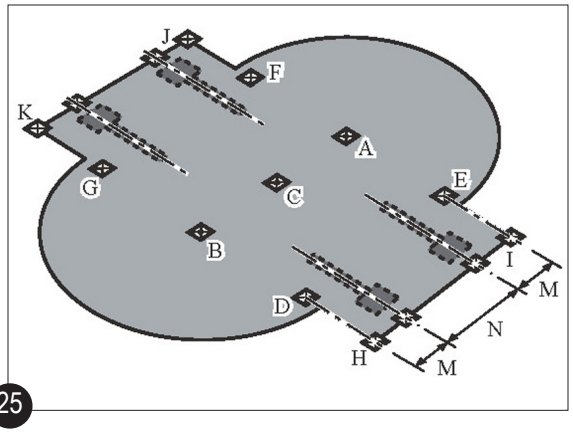


24

Hint:
Instead of wooden corner stakes, you can use 12" (30 cm) spikes.

Pool Size	Distance from Stake to Trench Centreline M	Distance between Trenches N
12' x 18' (3,66m x 5,49m)	36" (91cm)	n/a
12' x 24' (3,66m x 7,32m)	24" (61 cm)	48" (122cm)
15' x 24' (4,57m x 7,32m)	30" (76cm)	48" (122cm)
15' x 30' (4,57m x 9,14m)	30-1/2" (77cm)	59-1/2" (151cm)
18' x 33' (5,49m x 10,05m)	30-1/2" (77cm)	59-1/2" (151cm)

c. Repeat steps (a) and (b) to locate the next trench along the side of the pool. Measure the **distance N** from the centreline of the first trench to the centreline of the next trench. Use the chart on previous page to find the right distance N for your pool. **(Important Note**: The 12 x 18 pool has only **one** trench per side; the 15 x 24 pool has **two** trenches per side; the 12 x 24, 15 x 30 and 18 x 33 pools all have **three** trenches per side.)



25

d. Place another stake in the ground on the edge of the cleared area at distance N, underneath the string added in step 5(c).

e. Repeat steps (a) to (d) for the other side of your pool.

f. Tie a string between each pair of stakes on opposite sides of the cleared area (the stakes added in steps (b) and (d), above) to mark the centreline of the trenches.

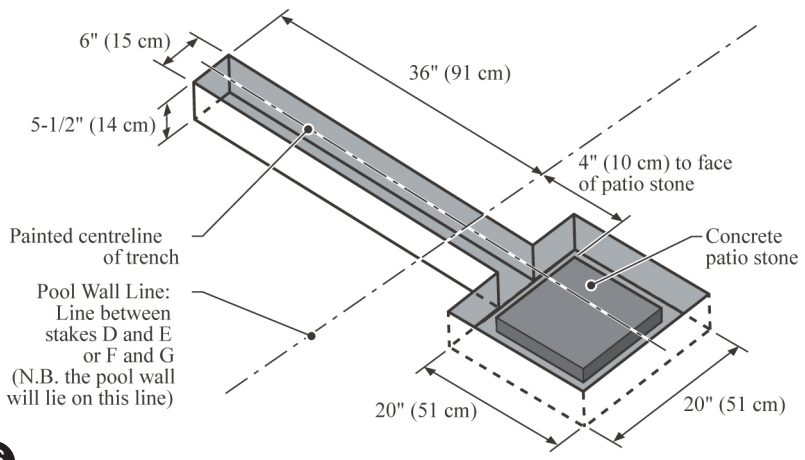
g. Mark the centrelines along each string with the can of spray paint.

h. Recheck your measurements. Make sure the distances M and N **exactly** match the distances given in the chart above (see also diagram 26) and that the centrelines for the trenches are **exactly parallel.**

i. Remove the strings. (**Note:** Keep the strings. They will be temporarily replaced later, after the trenches are dug out, to help you double-check that the trenches are parallel.)

Hint:
Crushed limestone or equivalent **must** be used instead of brick sand or vermiculite to backfill the base U-channels. The level of compaction achieved by using crushed limestone or equivalent is superior to that of brick sand or vermiculite.

j. Carefully dig out each trench. Measure from the centreline painted on the ground and the line between the stakes. **Do not** dig the trenches too large or too deep; the ground around the edges of each trench **must** remain firm and undisturbed.


6" (15 cm)
36" (91 cm)
5-1/2" (14 cm)
4" (10 cm) to face of patio stone
Painted centreline of trench
Concrete patio stone
Pool Wall Line: Line between stakes D and E or F and G (N.B. the pool wall will lie on this line)
20" (51 cm)
20" (51 cm)
26

k. Temporarily replace the strings removed in step (i) to check that the trenches are **exactly parallel**. Remove the strings again when you are finished.

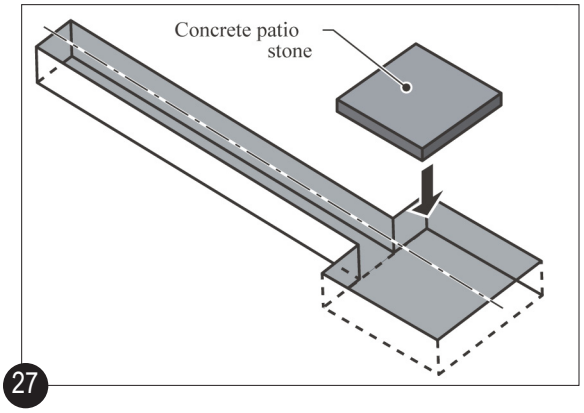
l. Spread a layer of crushed limestone (or equivalent) 3/4" (19 mm) thick into the bottom of each trench. Pack firmly.

m. Place a concrete patio stone 12" x 12" square x 2" thick (30 x 30 x 5 cm) into the wide part of each trench, on top of the limestone layer. **Make sure** it is level and positioned correctly.

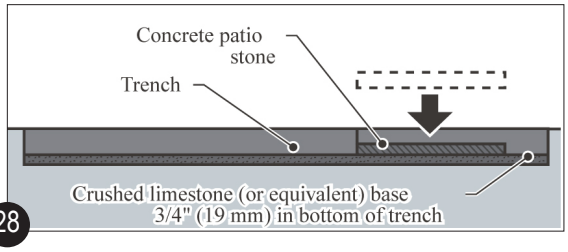
n. Add another layer of crushed limestone (or equivalent) 1" (25 mm) thick into the bottom of each trench, and around the patio stones. Pack firmly.

o. In each trench, measure 32" (81 cm) from the **Pool Wall Line** to point **A.** Carefully add more limestone (or equivalent) to the trench to create a **slope** from point **A, exactly** up to the top surface of the patio stone. The end of the base U-channel (installed in step 7, on the next page) will line up with point **A**.

Caution:
Brick sand or vermiculite **cannot** be used on any part of the buttress installation process. These materials have poor compaction properties that can cause problems with the buttresses after the pool has been filled with water.

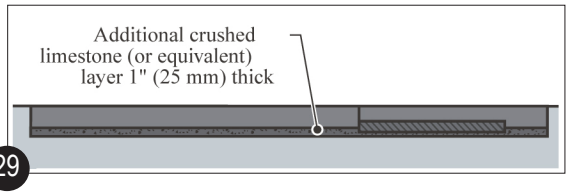


27

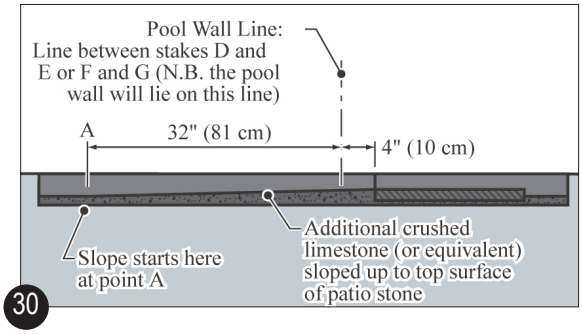


28

Caution:
Make sure there is **adequate drainage** in the bottom of each trench and along the sides of the pool area. There **must** be adequate drainage for a safe and secure pool foundation.



29


Pool Wall Line: Line between stakes D and E or F and G (N.B. the pool wall will lie on this line)
A
32" (81 cm)
4" (10 cm)
Slope starts here at point A
Additional crushed limestone (or equivalent) sloped up to top surface of patio stone
30

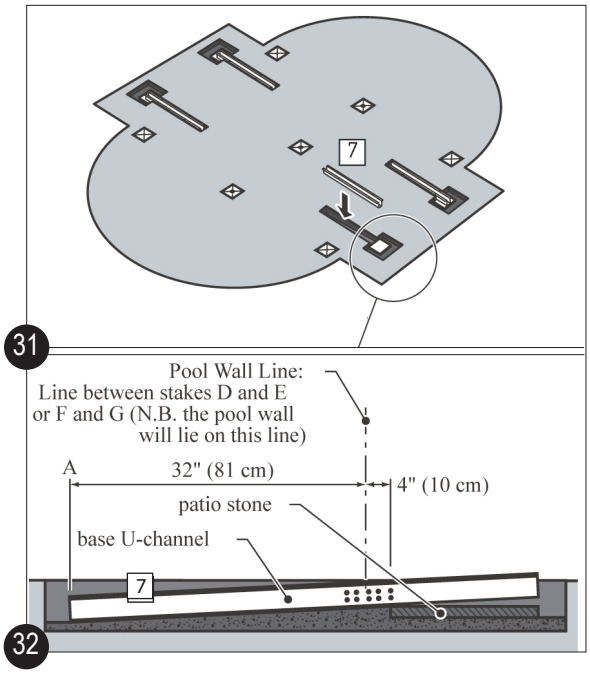
Important: When you are finished, the long, narrow part of the trench will have a bottom that slopes downward to the centre of the pool. Work **very carefully** to get the proper angle of slope. This slope allows the buttresses to angle inwards slightly before the pool is filled with water. The sides will become vertical after the pool is filled.

Hint:
Use one end of a 2-by-4 as a tamping tool. Spray the crushed limestone with water before packing it down hard.

- **See the drawing on the next page for an overview of all the parts used to install the buttresses, verticals and base rails.**

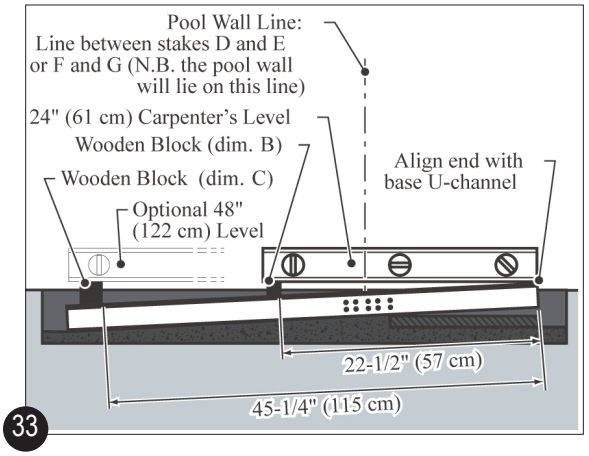
7. Install and Level the Base U-channels

a. Place one base U-channel (key 7) into one of the trenches and move it so that the end of the base U-channel is aligned exactly with the back edge of the concrete patio stone.



31 32

b. To make sure the base U-channel is at the proper angle, place a small block of wood 22-1/2" (57 cm) from the end of the base U-channel and set a 24" (61 cm) carpenter's level in place with one end aligned with the end of the base U-channel. Adjust the crushed limestone (or equivalent) base as required until the reading is perfectly level (refer to the chart below for dimensions **B** or **C** of the small block of wood).

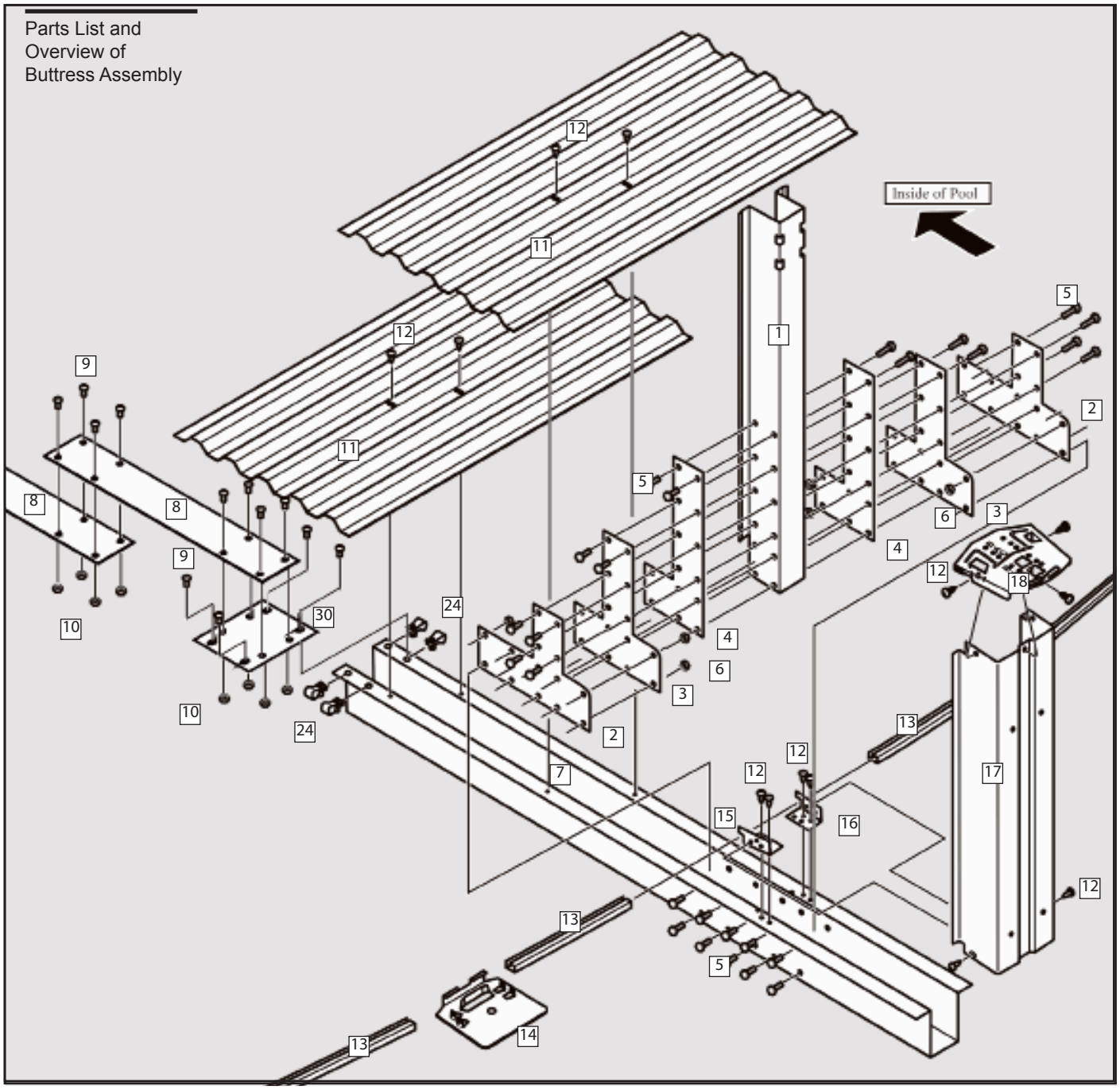


33

Hint:
If you have 48" (122 cm) carpenter's level instead, place the block of wood of dimension C at 45-1/4" (115 cm) from the end of the base U-channel.

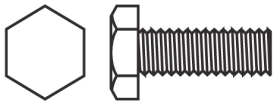
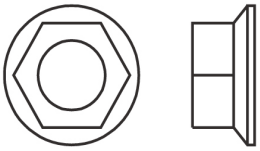
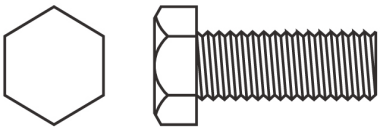
Pool Size	Dimensions B	C
12' x 18' (3,66m x 5,49m)	3/8" (10mm)	3/4" (19mm)
12' x 24' (3,66m x 7,32m)	3/8" 10mm)	3/4" (19mm)
15' x 24' (4,57m x 7,32m)	1/2" 13mm)	1" (25mm)
15' x 30' (4,57m x 9,14m)	1/2" (13mm)	1" (25mm)
18' x 33' (5,49m x 10,05m)	5/8" (16mm)	1-1/4" (32mm)

Parts List and
Overview of
Buttress Assembly



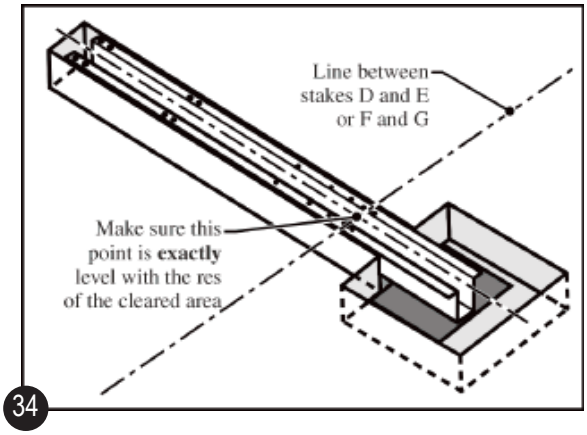
KEY	Part Name	KEY	Part Name
7	Base U-Channel	18	Top plate
1	Upright Channel	30	Strap Bracket
4	Inside 'L' Bracket		
3	Middle 'T' Bracket	-	Hardware bag,1 per set of buttresses; includes;
2	Outside 'T' Bracket	9	1/4 "-20NCx3/4" hex bolt
11	Hold Down Plate (Pressure plate)	10	1/4 "-20NCx3/4" serrated flange hex nut
8	Strap	5	3/8"-16NCx1"hex bolt
13	Curved Bottom Rail	6	3/8"-16NC serrated flange hex nut
14	Base Plate	12	No. 12x5/8" self-tapping screw
15	Left Vertical clip	24	1/4"-20NC nut clip
16	Right Veritcal clip		
17	Vertical (Upright)		

HARDWARE FOR GIBRALTAR POOLS

DESCRIPTION	ACTUAL SIZE	TOOL REQUIRED FOR INSTALLATION
SELF TAPPING SCREW #12 x 5/8 INCH LONG		PHILLIPS NUMBER 3 SCREWDRIVER OR RED HANDLE #2 ROBERTSON SCREWDRIVER
SERRATED FLANGE HEXAGON NUT 1/4-20		7/16 INCH WRENCH OR SOCKET
HEXAGON HEAD BOLT 1/4-20 x 3/4 INCH LONG		7/16 INCH WRENCH OR SOCKET
SERRATED FLANGE HEXAGON NUT 3/8-16		9/16 INCH WRENCH OR SOCKET
HEXAGON HEAD BOLT 3/8-16 x 1 INCH LONG		9/16 INCH WRENCH OR SOCKET
NUT CLIP 1/4-20		NO TOOL REQUIRED

c. Repeat steps (a) and (b) for the rest of the base U-channels and trenches.

d. Use the carpenter's level to make sure the point shown in diagram 34 is **exactly** level with the rest of the cleared area and the base plates (the base plates will be installed in Section 2). If it is not, the base U-channel **must** be removed and the crushed limestone (or equivalent) and patio stone adjusted.



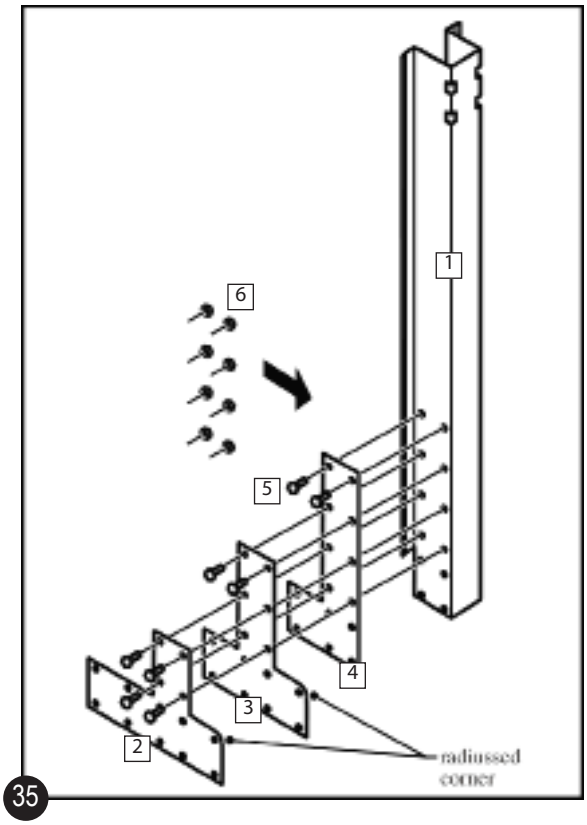
34

8. Assemble Buttresses

a. Assemble one upright channel (key 1) with two T-plates (key 2 and 3) and one L-plate (key 4) (one each of sizes short, medium and tall) on one side using eight bolts (key 5) and nuts (key 6). The bolt heads should be on the **outside** of the T- and L-plates and the nuts on the **inside** of the upright channel. **Do not** tighten the bolts yet. Be sure to follow the drawing carefully to have the T- and L-plates and upright channel facing the right direction (the T-plates each have a radiussed corner; this radiussed corner must face **away** from the open side of the upright channel).

b. Repeat step (a) for the other side of the upright channel with three more T- and L-plates.

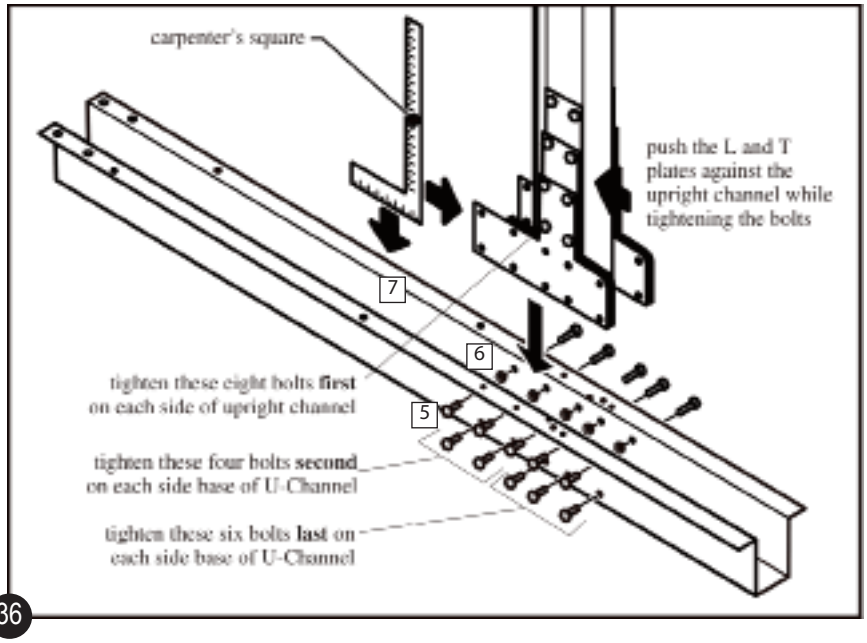
Hint:
Use a saw-horse to support the upright channel while you attach the T-plates.



35

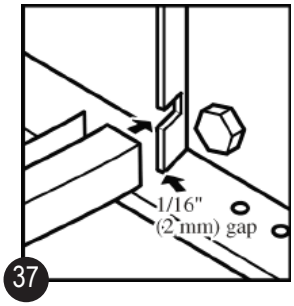
Hint:
Lift the base U-channel out of the trench first to fasten it to the vertical U-channel and T-plates.

c. Insert the upright channel and T- and L-plate assembly into a base U-channel (key 7). The open side of the upright channel will face toward the **inside** of the pool. Line up the holes and fasten withtwenty bolts (key 5) and nuts (key 6). **Do not** tighten the bolts yet.


carpenter's square
push the L and T plates against the upright channel while tightening the bolts
7
6
5
tighten these eight bolts **first** on each side of upright channel
tighten these four bolts **second** on each side base of U-Channel
tighten these six bolts **last** on each side base of U-Channel
36

Caution:
Failure to properly install and tighten all of the bolts and nuts may void the warranty on your pool.

d. **Make sure** there is approximately 1/16" (2 mm) gap under the tab at the bottom of each vertical U-channel so the bottom rails slide on easily.



37

e. First, tighten the eight bolts and nuts on each side of the upright channel. Second, tighten the four bolts and nuts on each side of the base U-channel. Lastly, tighten all the rest of the bolts and nuts (see diagram 36). **Important:** for a proper fit, you must push the T- and L-plates against the upright channel while tightening the bolts and nuts (see diagram 36). Use a carpenter's square to make sure the upright channel and the base U-channel are **exactly right-angles** to each other as you tighten the bolts and nuts.

Hint:
After step 9(b) return to page 1-15 and repeat step 7(d) once more. Use the carpenter's level to make sure the point shown in diagram 34 is **exactly** level with the rest of the cleared area and the base plates. If it is not, the base U-channel **must** be removed and the crushed limestone (or equivalent) and patio stone adjusted.

f. Make sure the buttress assembly is returned to the correct position in the trench with the end of the base U-channel aligned exactly with the back edge of the concrete patio stone (see step 7(a)). The buttress may need to be propped upright to prevent it from falling over while the rest of the pool is assembled.

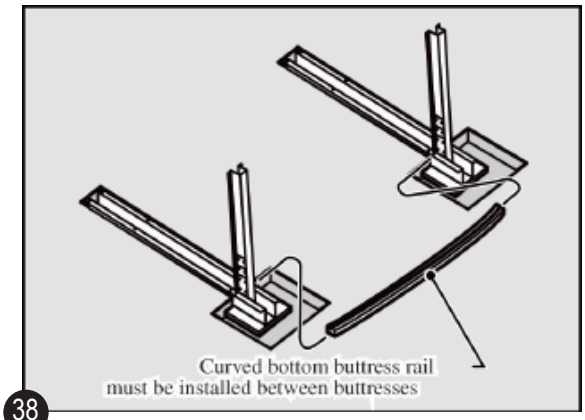
g. Repeat steps (a) to (f) for the rest of the upright and base U-channels.

9 Fill the Base U-channels

a. Tie strings between stakes (D) and (E) and between (F) and (G). These will be used as a reference to make sure the base channels are exactly lined up with each other. Stand at each corner of the pool and check the alignment of the base channels with the strings.

Hint:
Use one end of a 2-by-4 as a tamping tool. Spray the crushed limestone with water before packing it down hard.

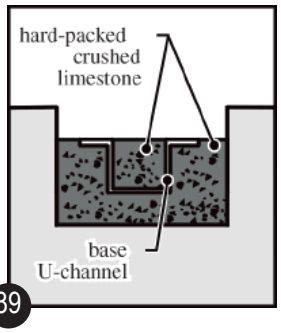
b. Jump to Section 2 and complete steps 1(a) and (b). This will allow you to install the bottom buttress rails, ensuring the correct distance between the buttresses before the trenches are filled in. **Important:** complete only steps 1(a) and (b) for now, and then continue with step 9(c) below; you will complete the rest of Section 2 later.



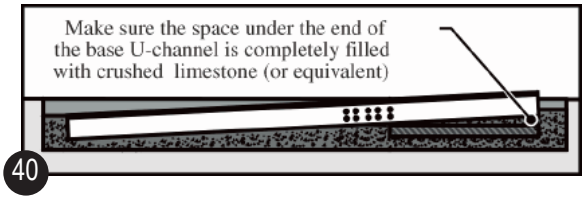
38

Hint:
Crushed limestone or equivalent **must** be used instead of brick sand or vermiculite to backfill the base U-channels. The level of compaction achieved by using crushed limestone or equivalent is superior to that of brick sand or vermiculite.

c. Fill the base U-channels and the trenches they sit in with crushed limestone (or equivalent). Fill them up to the top edges of the base U-channels. If the limestone is dry spray it with some water to help with the compaction. Stand on the base U-channel and tamp down the limestone until a solid base is achieved (by standing on the base U-channel your weight helps prevent the base U-channel from moving). Add additional limestone as required.
Make sure the space under the end of the base U-channel is completely filled with crushed limstone (or equivalent) (see diagram 40).



39



40

d. Recheck the distances between the base U-channels and make any adjustments you need to make sure the spacing is **exactly** right (refer to page 1-10, Step 6 for measurements).

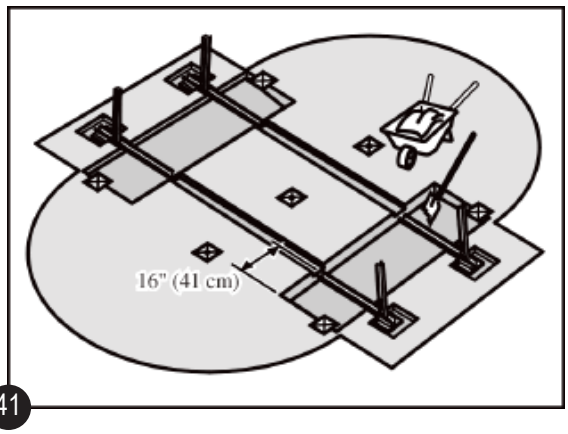
10. Install Straps, Strap Brackets and Hold Down Plates

Caution:
Brick sand or vermiculite **cannot** be used on any part of the buttress installation process. These materials have poor compaction properties that can cause problems with the buttresses after the pool has been filled with water.

a. **Gently** flatten any kinks or bends out of the straps.

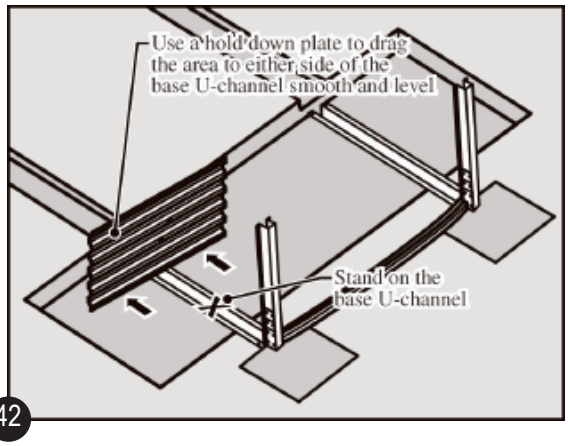
b. Dig out the area between and to the sides of the base U-channels, down to a level **exactly** even with the tops of each base U-channel and 16" (41 cm) beyond the sides of each base U-channel.

c. Dig a shallow trench, 3" (8 cm) wide and approximately 1-1/2" (4 cm) deep for each strap (make the trench as deep as the top of the base U-channel), aligned with the centreline of the trench, from one side of the pool to the other.



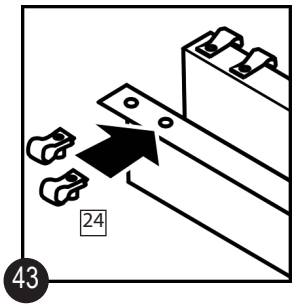
41

d. Using a straight edge (you can use one of the hold down plates), drag along the top edge of the base channel to ensure the ground is level to the base U-channel. If it is not level, spread some crushed limestone on the ground. Stand on the base U-channel and tamp it down hard with a tamping tool. Verify the ground is level to the base U-channel by running the straight edge along the top edge of the base U-channel again. Repeat this step until the ground is level.



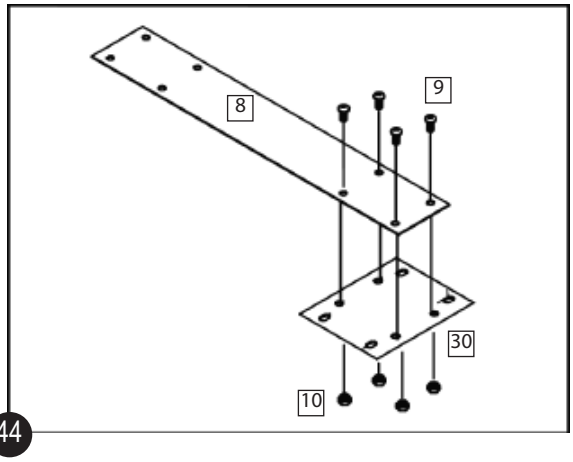
42

e. Slide four nut-clips (key 24) onto one end of the base channel assembly (see diagram 43) so they line up over the holes in the base channel. The threaded parts of the nut-clips should point **down**.



43

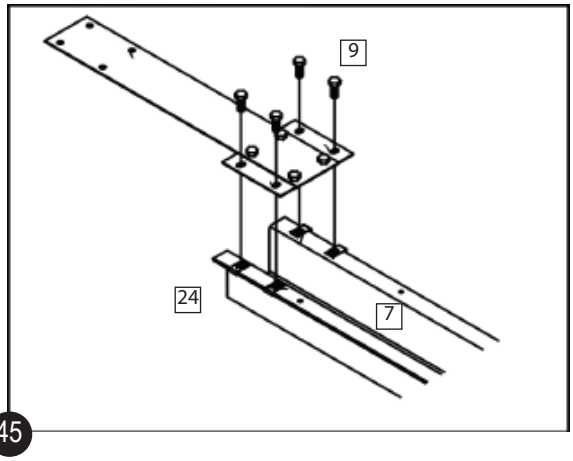
f. Join one end of a strap (key 8) to a strap bracket (key 30). The strap should be **on top** of the strap bracket. Line up the holes (be sure to use the holes shown in diagram 44) and fasten together with four hex head bolts (key 9) and four nuts (key 10). The bolt heads must be on the **top** and the nuts **underneath**. Tighten the bolts.



44

g. Line up the holes in the strap bracket (be sure to use the holes shown in diagram 45) with the nut clips (key 24) at the end of the base U-channel (key 7) and fasten together with four hex head bolts (key 9) Tighten the bolts snuggly but do not overtighten.

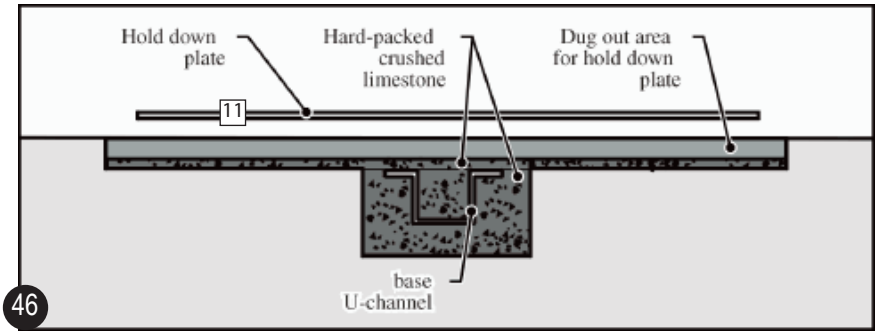
h. Repeat steps (d to g) for the corresponding strap and strap bracket on the opposite side of the pool.



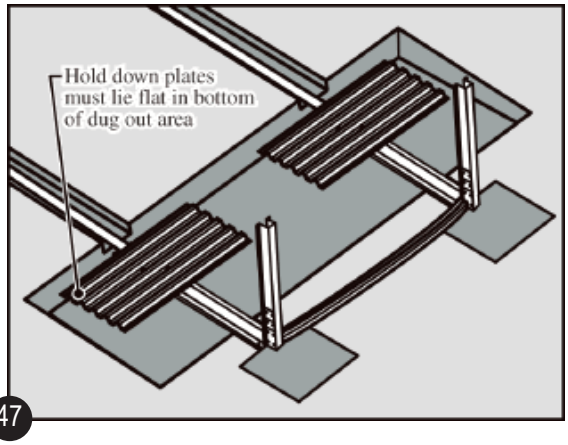
45

Important:
Failure to properly compact this material may result in the crushed limestone being compacted instead by the weight of the water after the pool is filled, resulting in indentations in the bottom of the pool.

i. Spread 3/4” (19 mm) of crushed limestone (or equivalent) over the dug out area for the hold down plate closest to the centre of the pool. Do not spread any material over the top of the base U-channel. Place the hold down plate as shown in diagram 47 on top of the crushed limestone. Begin shifting the hold down plate in a forwards and backwards motion (see diagram 49), while simultaneously applying a downward force on the hold down plate until the plate rests on top of the base U-channel. Check to see that the outside ends of the hold down plate have filled with material, and insert material into any open areas until they are full. This will prevent any low spots from forming around the hold down plates when the pool is filled with water.

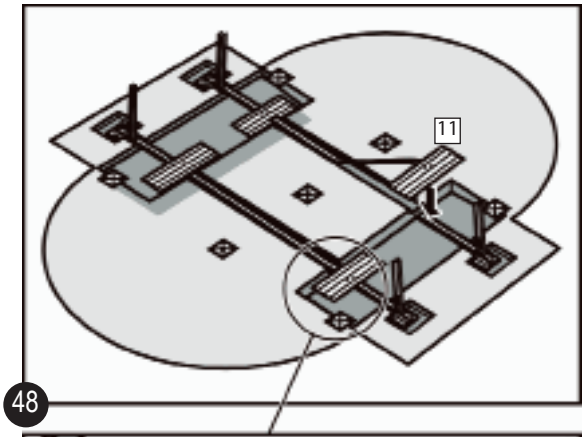


46

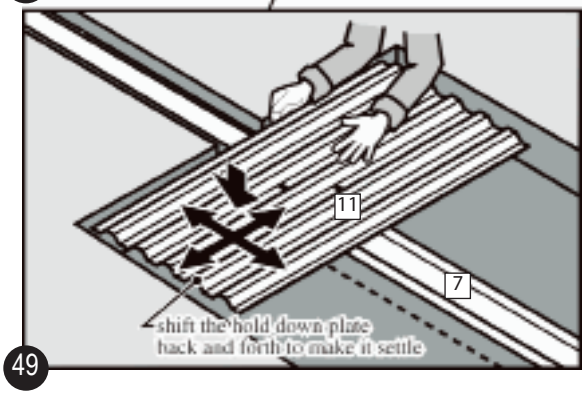


47

Important: make sure each entire hold down plate lies completely flat in the area dug out in step 10(b) above. The hold down plate **must** lie flat or it may lift and damage the pool liner after the pool is filled with water.

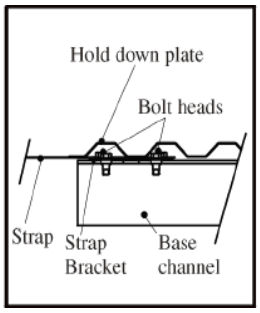


48



49

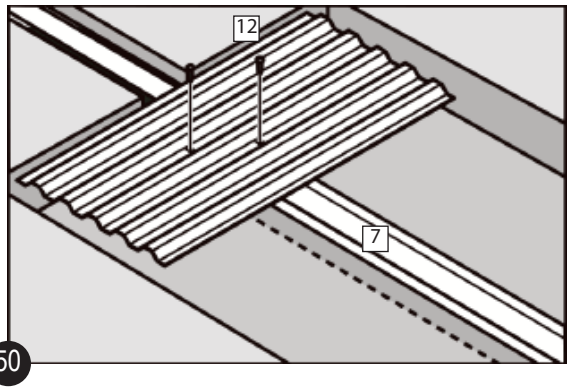
Hint:
When lining up the holes in the base U-channel and the first hold down plate, ensure the bolt heads in the strap bracket are in the first two grooves of the hold down plate.



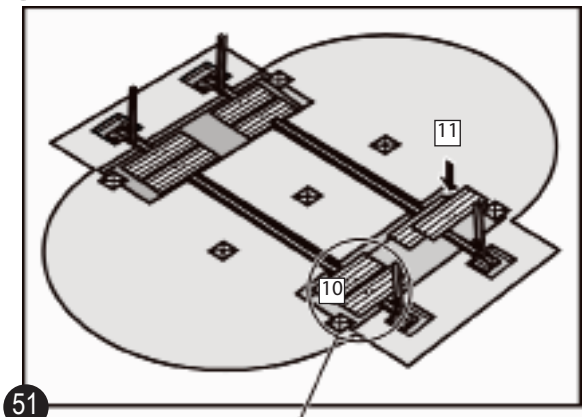
j. Line up the holes in the hold down plate (be sure to use the holes shown in diagram 50) with the holes in the base U-Channel (key 7) and fasten with two self-tapping screws (key 12).

k. The hold down plates are installed on the base U-channels in pairs. Repeat steps (i) and (j) for the second hold down plate (key 11) on the base U-channel (key 7). Set the second plate so the flange overlaps the first hold down plate. Line up the holes in the hold down plate and base channel (see diagram 52) and fasten with two self tapping screws (key 12). Tighten all of the screws.

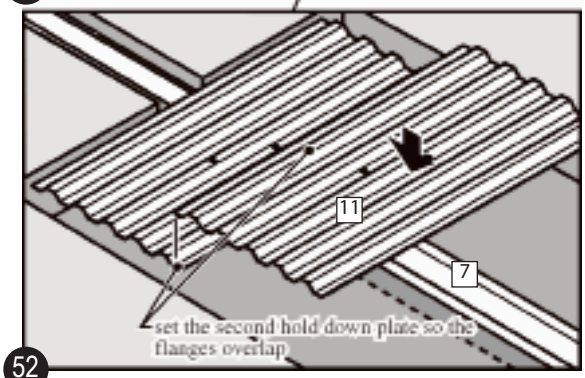
l. Repeat steps (i to k) on the opposite side of the pool.



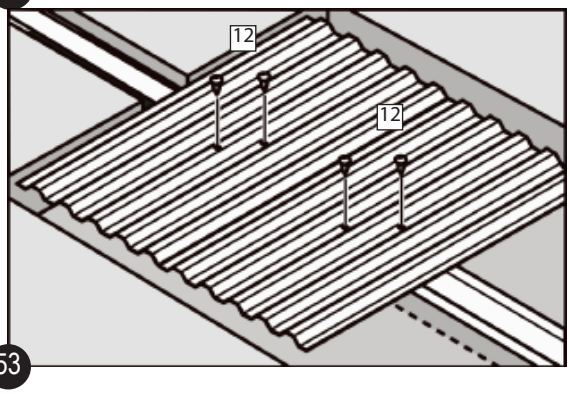
50



51

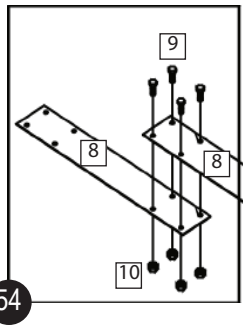


52



53

m. Join the two straps already installed with any additional straps (key 8) together to make full-length straps, joining the two sides of the pool (Note**:** the 12 x 18 and 12 x 24 pools do not have any additional straps). Line up the holes and fasten together with four bolts (key 9) and four serrated nuts (key 10). The bolt heads must be on the **top** and the nuts **underneath**. Tighten the bolts.



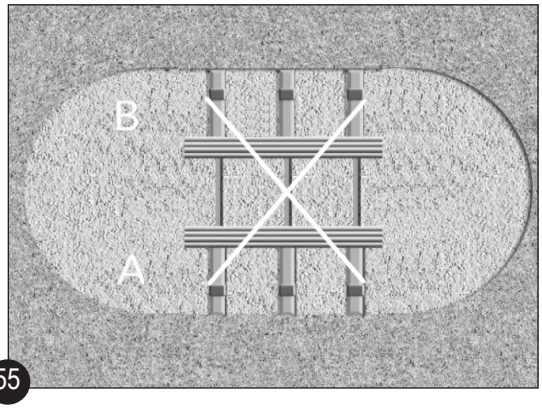
54

n. Repeat steps (b) through (m) for the rest of the buttresses and hold down plates. Tighten all of the bolts and screws.

11. Remove the strings and stakes

a. Make sure all of the strings and stakes (**except** stakes (A) and (B)) are removed from the entire pool area and fill in any holes with crushed limestone (or equivalent). Leave stakes (A) and (B) in place for now; they will be used later to centre the pool wall.

b. Measure the two intersecting axes to ensure that the two straight sections are parallel

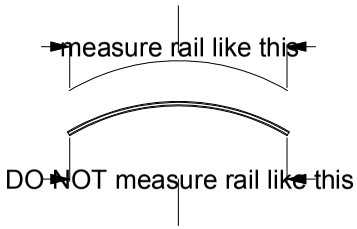


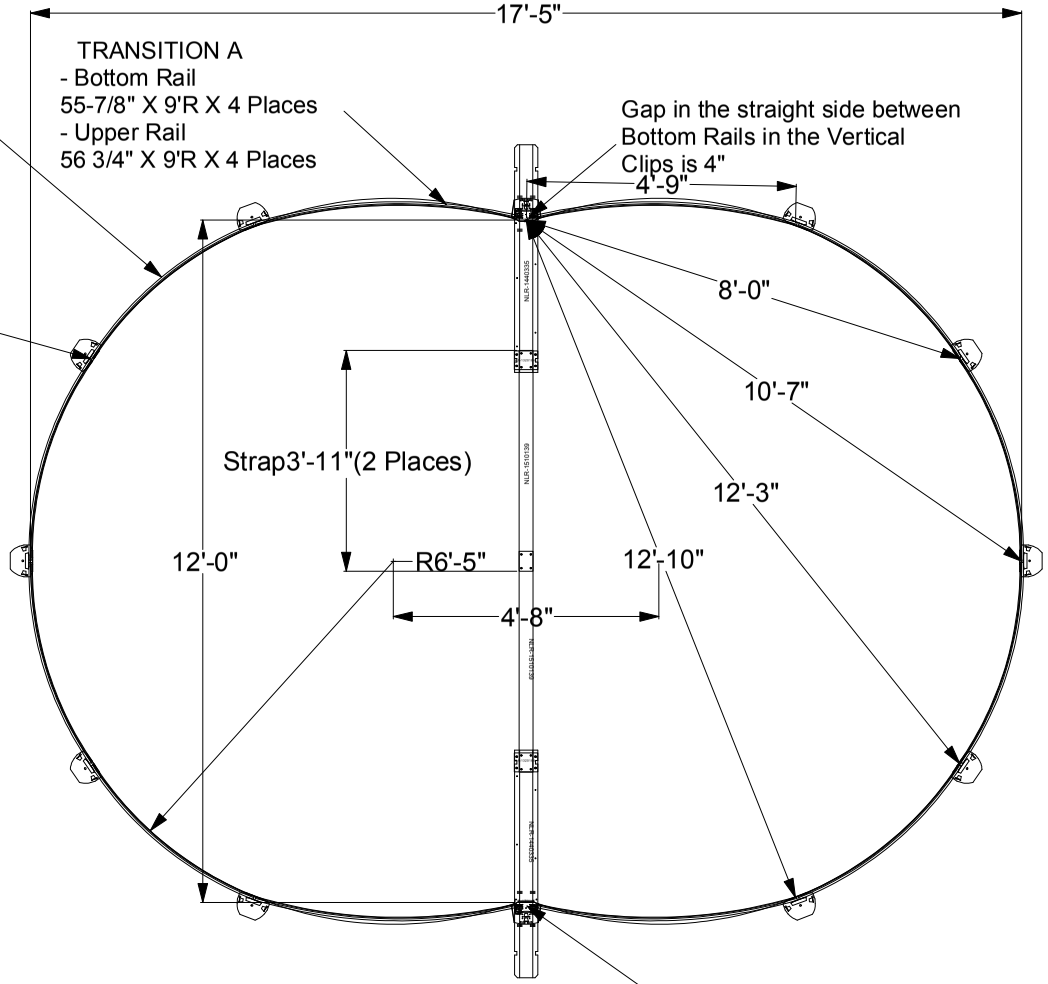
55

12 x 18 Footprint

END SIDE
- Bottom Rail
44-3/4" X 6'R X 8 Places
- Upper Rail
45 1/2" X 5'6"R X 8 Places

Gap in the end side between Bottom Rails in the Base Plate is 0.599"



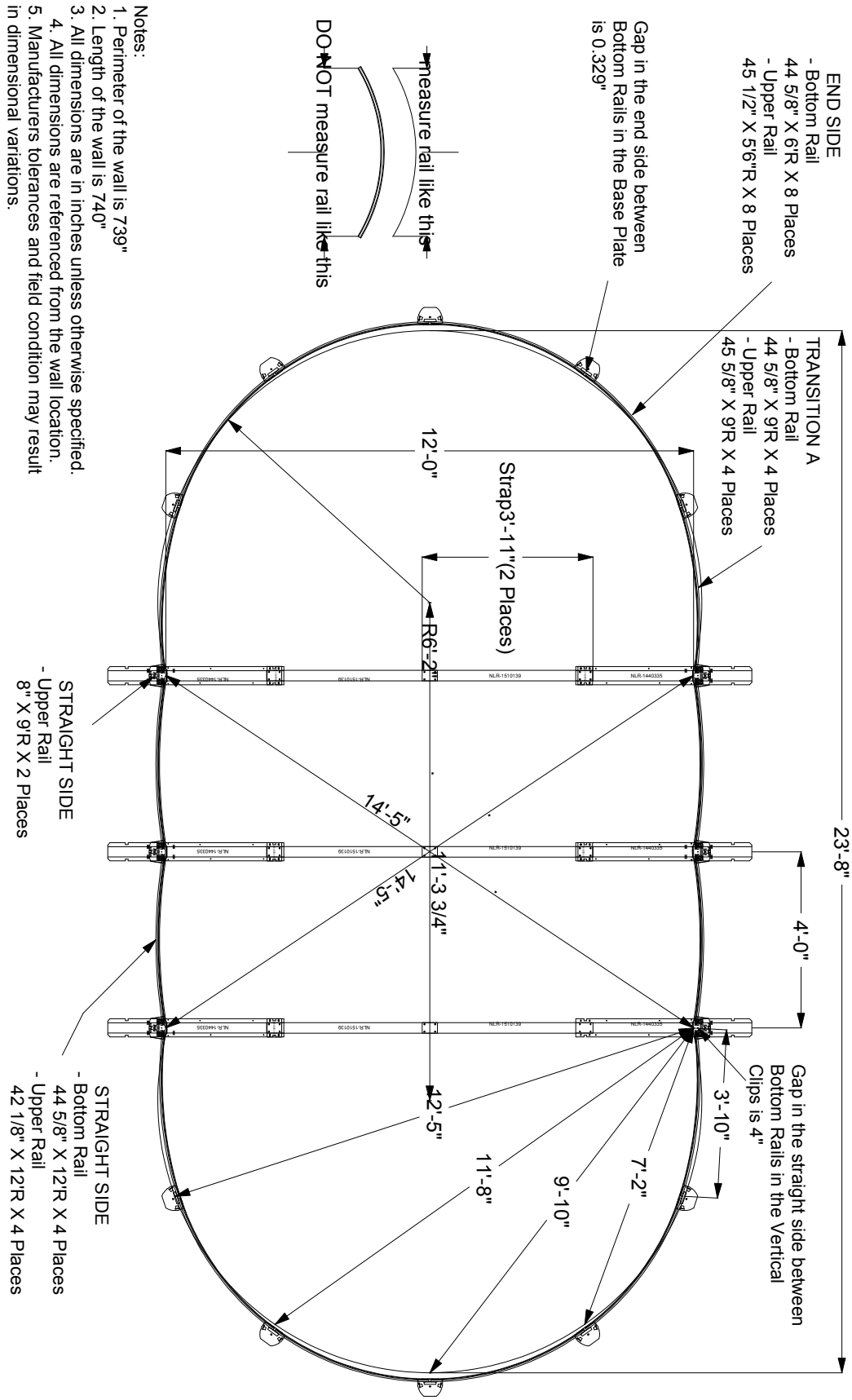


Notes:
1. Perimeter of the wall is 595"
2. Length of the wall is 596"
3. All dimensions are in inches unless otherwise specified.
4. All dimensions are referenced from the wall location.
5. Manufacturers tolerances and field condition may result in dimensional variations.

Observe all Safety Rules.

No Diving or Jumping.

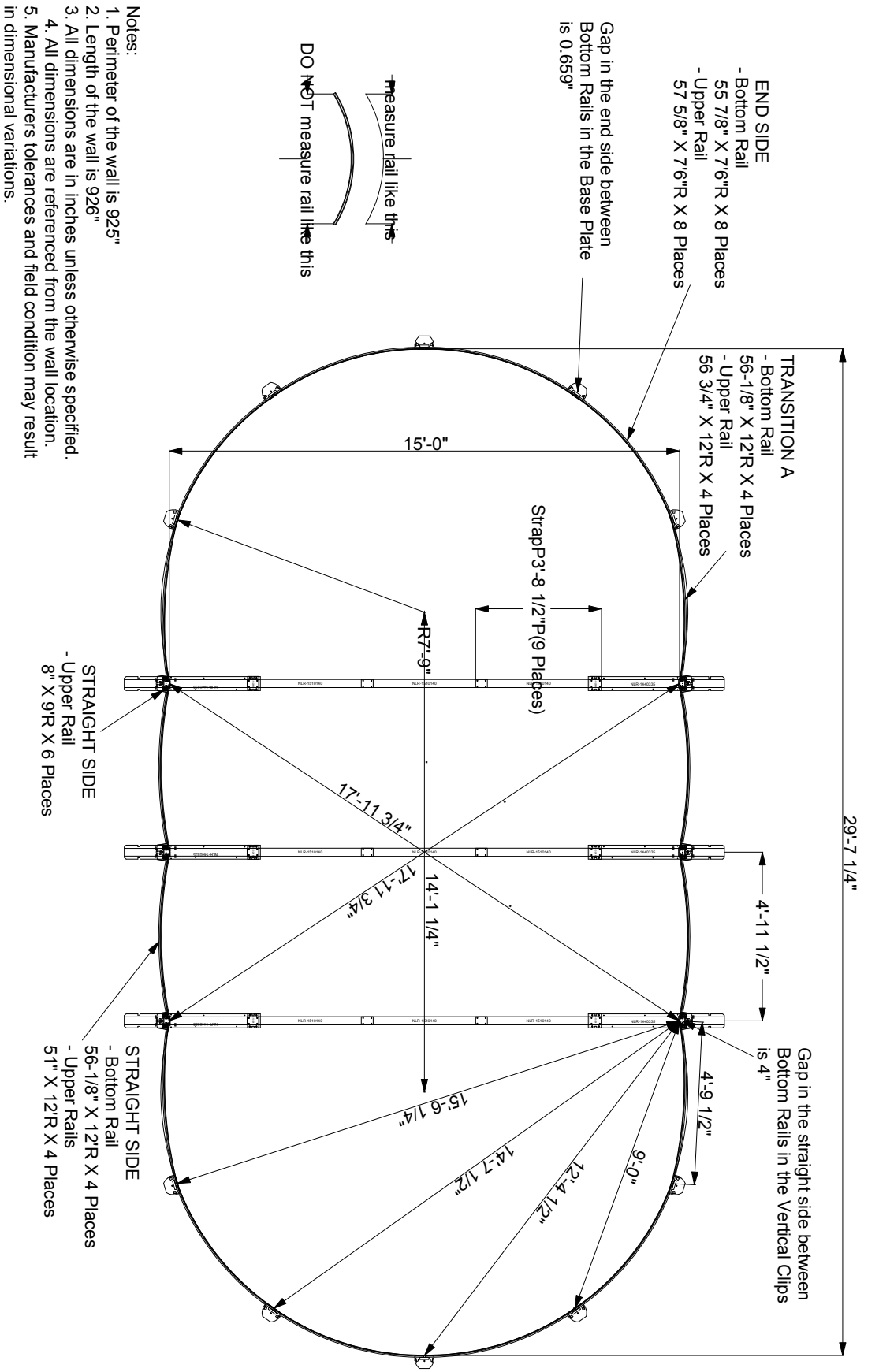
12 x 24 Footprint



15 x 24 Footprint

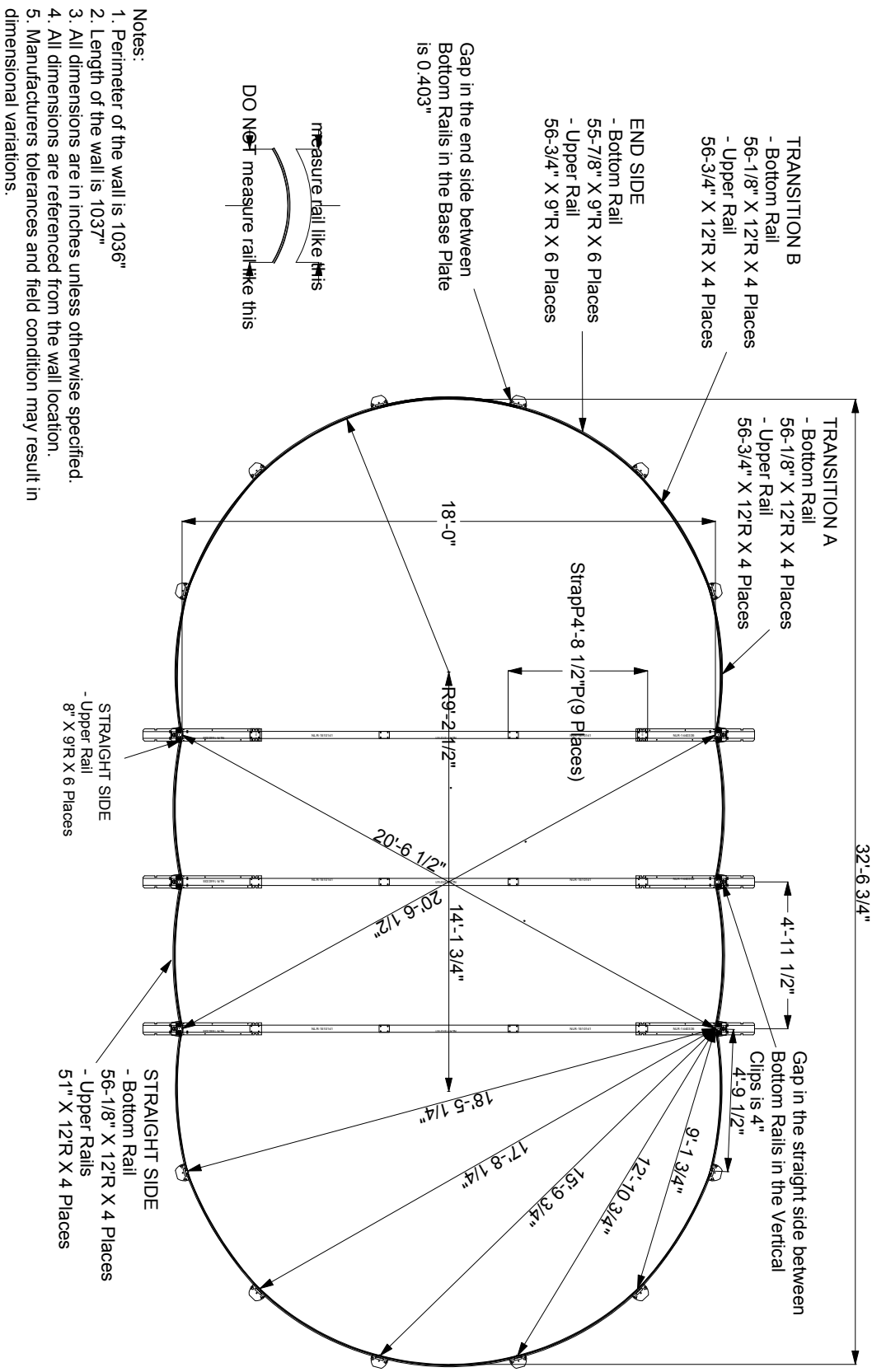
Notes:
1. Perimeter of the wall is 781"
2. Length of the wall is 782"
3. All dimensions are in inches unless otherwise specified.
4. All dimensions are referenced from the wall location.
5. Manufacturers tolerances and field condition may result in dimensional variations.

15 x 30 Footprint



Notes:
1. Perimeter of the wall is 925"
2. Length of the wall is 926"
3. All dimensions are in inches unless otherwise specified.
4. All dimensions are referenced from the wall location.
5. Manufacturers tolerances and field condition may result in dimensional variations.

18 x 33 Footprint



Notes:
1. Perimeter of the wall is 1036"
2. Length of the wall is 1037"
3. All dimensions are in inches unless otherwise specified.
4. All dimensions are referenced from the wall location.
5. Manufacturers tolerances and field condition may result in dimensional variations.

No Diving or Jumping. ***Observe all Safety Rules.***

SECTION 2

Pool Component Installation Manual

Assembling the Pool Base & Side Buttresses

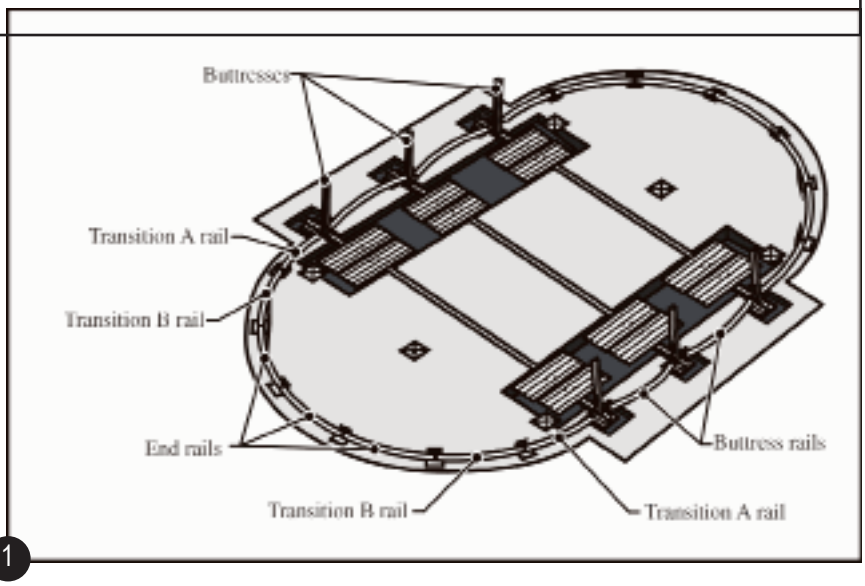
1. Install the Curved Bottom Rails

a. Each pool uses two, three or four different types of curved bottom rails (key 13). The rails are colour coded or stamped with a part number. Use the chart below to choose the types and quantities of bottom rails for your pool (part numbers are shown in brackets under each colour).

Quantity and Colour Code (with part numbers)				
Pool Size	**Buttress Rail**	**Transition Rail A**	**Transition Rail B**	**End Rail**
12' x 18' (3,66m x 5,49m)	n/a	4 yellow (no. 1255618) (no. 1255618)	n/a	8 plain (no. 1254512) (no. 1254512)
12' x 24' (3,66m x 7,32m)	4 white (no. 1254424) (no. 1254424)	4 blue (no. 1254418) (no. 1254418)	n/a	8 plain (no. 1254512) (no. 1254512)
15' x 24' (4,57m x 7,32m)	2 white (no. 1254424) (no. 1254424)	4 green (no. 1255624) (no. 1255621)	n/a	8 plain (no. 1255615) (no. 1255615)
15' x 30' (4,57m x 9,14m)	4 green (no. 1255624) (no. 1255621)	4 green (no. 1255624) (no. 1255621)	n/a	8 plain (no. 1255615) (no. 1255615)
18' x 33' (5,49m x 10,05m)	4 green (no. 1255624) (no. 1255621)	4 green (no. 1255624) (no. 1255621)	4 green (no. 1255624) (no. 1255621)	6 plain (no. 1255618) (no. 1255618)

(n/a=not applicable; plain=no colour code)

The 18 x 33 pool is the only size that uses all four types of rails. Diagram 1 shows the locations for each type.



1

Hint:
When measuring the distance to the face of each base plate, use a piece of string longer than required and place a mark on the string at the required distance.

b. Insert the **buttress rails** between the buttresses (if you have a 12 x 18 pool, skip step (b) and go to step (c)). The bottom rails insert into the notch in the upright channel. Make sure the groove faces up.

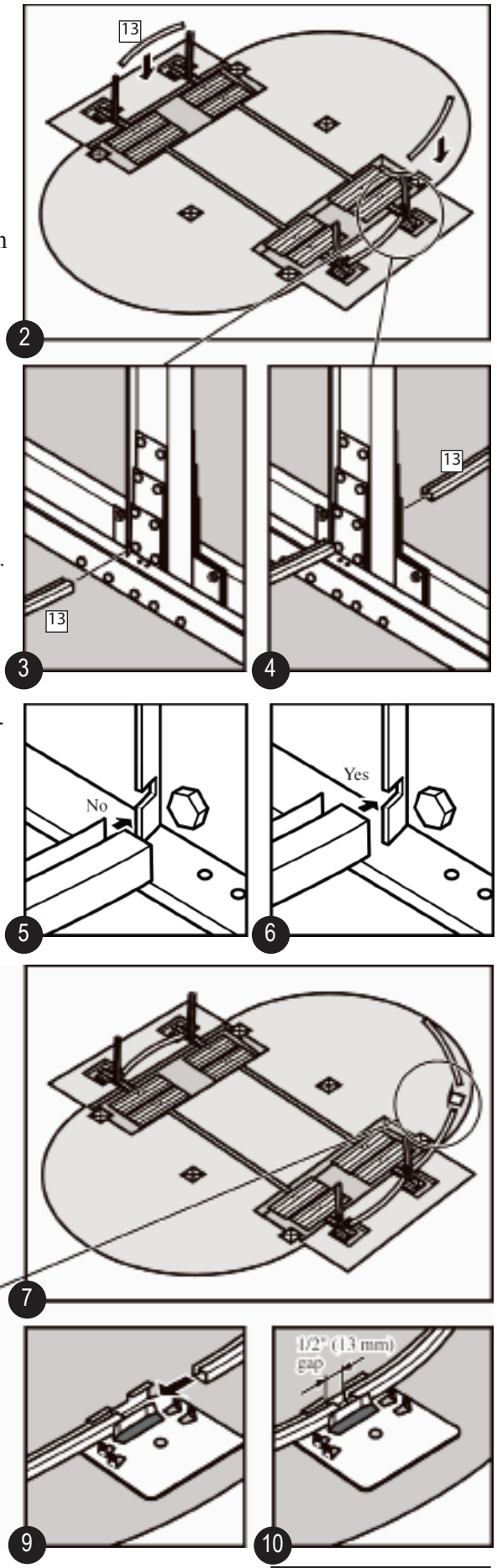
c. Insert the **transition A rails** (key 13). Slide one end of each rail into the notch in the upright channel (see diagrams 3 and 4) and slide the other end together with a base plate (key 14) (see diagrams 8, 9 and 10). **Important:** make sure you slide the rail into the notch so the closed, square part of the rail is in the notch, **not** the open groove part of the rail (see diagrams 5 & 6).

d. Slide the other end of the **transition A rail** together with a base plate (key 14).

e. If you have an 18 x 33 pool, insert the **transition B rails** (if you have any other size pool, skip to step (f)). Leave a 1/2" (13 mm) gap between the ends of the rails (see diagram 1 on the previous page for the 18 x 33 pool).

f. Lay out the end rails and base plates on both rounds ends of the pool area. Using a piece of string attached to the centre of stake (A), measure the distance to the face of each base plate and make sure it is the same as dimension **R** (see pages 1-3 through 1-5). (**Note:** this step will not work on the buttress rails or transition rails.)

g. Insert the **end rails**. Leave a 1/2" (13 mm) gap between the ends of the rails.



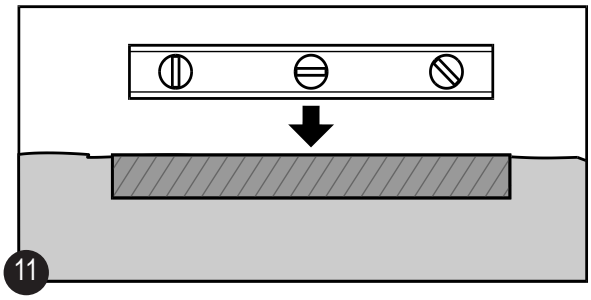
Hint:
Bend the first 1/8" (3 mm) of the end of the bottom rail slightly with a pair of pliers to make sure the rail doesn't slide out of the base plate when the pool wall is installed.

Cut several small pieces of wood approximately 3/8" x 3/8" (10 x 10 cm) square and place one between the two bottom rails located at each base plate. This will keep the bottom rails from closing while the wall is installed. Be sure to remove the blocks of wood later, before installing the verticals in Section 4.

Note:
If you want, the patio stones around the round ends of the pool may be round instead of square, or they can be left out completely. The patio stones in the trenches under the buttresses along the straight sides **must** be used, even if you don't have them on the round ends.

If you want, instead of using patio stones you can make **crushed limestone pads.** Dig a 12" x 12" (30 x 30 cm) square hole 2" (5 cm) deep and fill the hole with crushed limestone, packing it down hard. Spray the crushed limestone with water as you pack it down.

h. Optional concrete patio stones may also be used under each base plate on the round ends of your pool. Patio stones 12" (30 cm) square or larger will do. They **must** be sunk into the ground so the tops are flush with the soil around them. Use the carpenter's level to make sure the patio stones are perfectly level and flush with the ground. Use the carpenter's level and a 2-by-4 between patio stones to make sure the stones are level with each other.

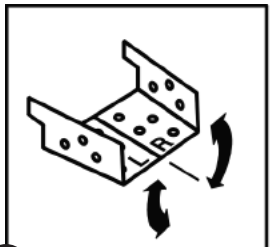


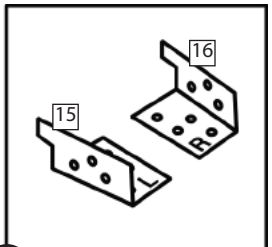
i. Use a carpenter's level as you install each curved bottom rail to make sure it is level.

j. Remove all the wooden stakes from the ground.

2. Install Vertical Clips

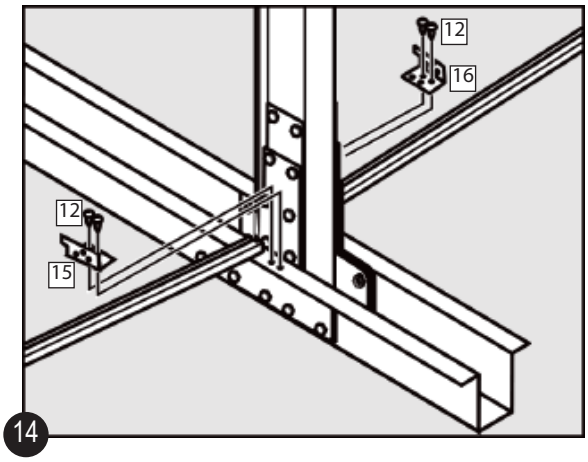
a. The vertical clips (key 15 and 16) are supplied joined together in left-hand and right-hand pairs. Bend the clips along the centre seam to snap them apart.





b. Fasten the left-hand vertical clip (key 15) with two self-tapping screws (key 12) to the base U-channel. (**Note:** the left-hand vertical clip is on the left when you are facing **toward** the centre of the pool.)

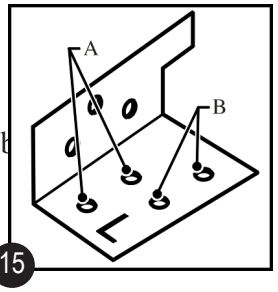
Important: be sure to use the pair of holes in the vertical clip as shown in diagram 15, and use the profiles of the vertical in diagram 16 to identify which pool you have. If your vertical profile **matches** either profile X or Y, use the pair of holes marked B; **all other** pools use the pair of holes marked **A**.

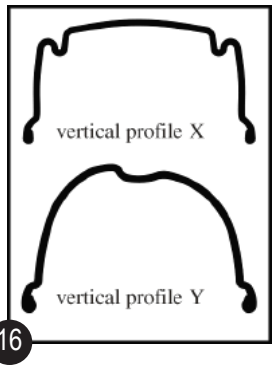


c. Tighten the screws.

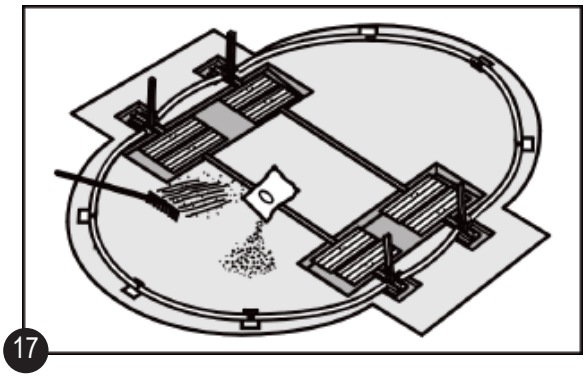
d. Repeat steps (b) and (c) for the right-hand vertical clip (key 16).

e. Repeat steps (a) to (d) for the rest of the b





Hint:
Put duct tape along the top edge of the buttress so there are no exposed edges that might tear the pool liner or scratch the pool wall.



17

Remember:
Spread brick sand or sheets of styrofoam out over the entire pool foundation area inside the base rails. This provides a protective surface for the pool liner to rest on.

3. Spread out Brick Sand

a. Make sure any screw or bolt heads that are to be covered with sand or styrofoam are covered with duct tape first.

b. Fill in all of the trenches completely with crushed limestone.

c. Spread a layer of fine brick sand (no pebbles) over the foundation area, 2" (5 cm)
deep. Use a rake to make the brick sand flat and smooth. **Instead** of brick sand, you can use 1" or 1-1/2" (25 or 38 mm) thick sheets of styrofoam. Cut the sheets to fit. Remove the Styrofoam until the wall is installed. Reinstall the styrofoam sheets and join them with duct tape along the whole length of each seam. Remember to wait until the pool wall has been installed before installing the Styrofoam.

4. Proceed to Section 3

a. Continue with Section 3 to assemble your pool wall and liner.

SECTION 3

Pool Component Installation Manual

Assembling the Pool Wall & Liner

Hint:
Bring the following items onto the pool foundation **before** you start uncoiling the pool wall: the **pool liner**, some extra **brick sand** to make the cove in Step 5, and a **ladder** to climb out after the wall is assembled.

Caution:
Do not attempt to install the pool wall in the wind. Wait for a calm day.

Hint:
Secure the omega stabilizer to the wall with a piece of duct tape after installation to prevent it from lifting off the wall.

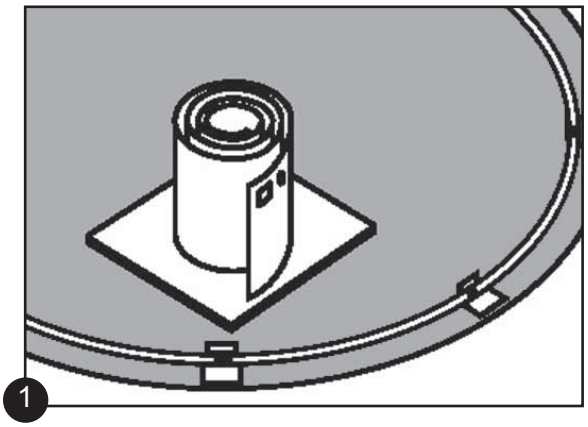
A. Assemble your Pool Wall

This section is for Round and Oval pools (ROUND POOLS ARE SHOWN).

1. Set the Pool Wall in place

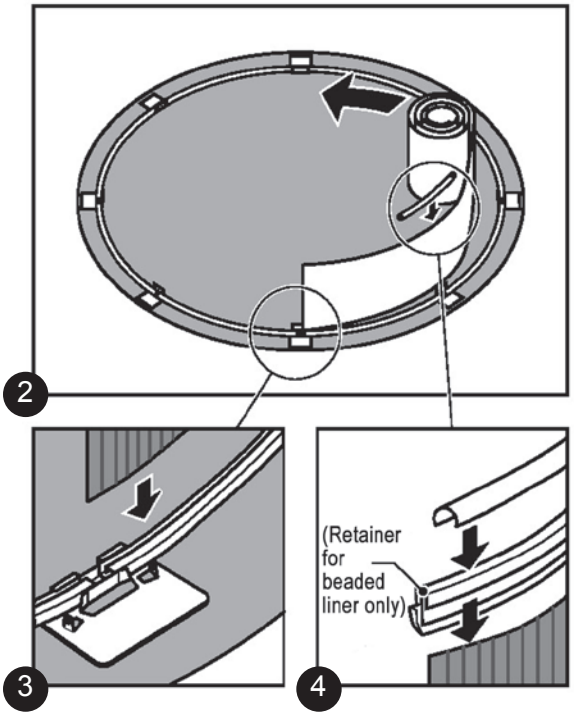
a. Wait for a calm day. Do not attempt to install the pool wall in the wind.

b. Unpackage the coiled pool wall and stand it on a piece of cardboard or plywood at the centre of the pool. The cut-outs for the through-the-wall skimmer should be towards the top of the wall. Look for a "THIS WAY UP" label and arrow. Make sure the skimmer and water return holes are located where you need them to be. The skimmer and water return holes are positioned towards the end of the wall, **(the section before where the wall started).**


1

c. Start uncoiling the wall, guiding the bottom edge into the curved bottom rail. The starting end of the wall must be positioned over a bottom-plate, and the skimmer and return holes should be positioned where the pump and filter will be.

NOTE: It is **important** that the pool wall be evenly distributed **at both ends** of the pool to ensure that all the top rails fit. As the wall is uncoiled and placed into the bottom rails it is important to maintain approximately 1/2" (13 mm) gap between the bottom rails or the top rails may not fit



Hint:
Using a 2" (5 cm) piece of duct tape, tape the ends of the 6" (15 cm) metal slotted tube connector over the slotted tubes and onto the pool wall. This will prevent the slotted tubes from moving during liner installation.

d. The slotted tubes (Omega Stabilizer) are colour coded or stamped with a part number. Use the chart below to choose the types and quantities of slotted tubes for your pool (part nos. are shown in brackets under each colour). Set lengths of slotted tube onto the top edge of the wall as you uncoil it and join the slotted tubes with connectors as you go, leaving a 1/2" (13 mm) gap between each. (If you have a **beaded pool liner,** set lengths of **liner retainer** on the top edge of the wall first, then the slotted tubes and connectors.)

Quantity and Colour Code (with part numbers)

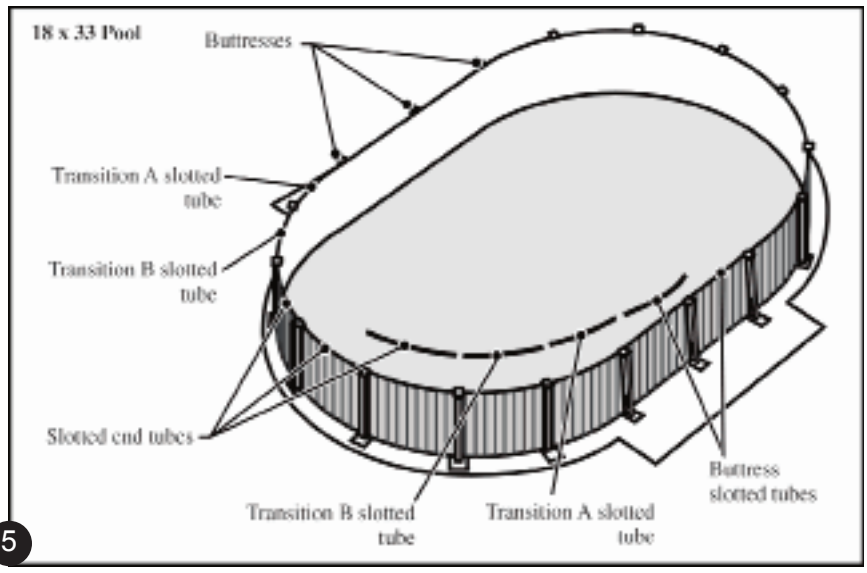
Pool Size	Buttress Tube	Transition Tube A	Transition Tube B	End Tube
12' x 18' (3,66m x 5,49m)	n/a	4 yellow (no. 1470098) (no. 1470012)	n/a	8 plain (no. 1470096) (no. 14700010)
12' x 24' (3,66m x 7,32m)	4 white (no. 1470105) (no. 1470092)	4 blue (no. 1470104) (no. 1470091)	n/a	8 plain (no. 1470096) (no. 1470010)
15' x 24' (4,57m x 7,32m)	2 white (no. 1470105) (no. 1470092)	4 green (no. 1470100) (no. 1470014)	n/a	8 plain (no. 1470097) (no. 1470011)
15' x 30' (4,57m x 9,14m)	4 green (no. 1470100) (no. 1470014)	4 green (no. 1470100) (no. 1470014)	n/a	8 plain (no. 1470097) (no. 1470011)
18' x 33' (5,49m x 10,05m)	4 green (no. 1470100) (no. 1470014)	4 green (no. 1470100) (no. 1470014)	4 green (no. 1470100) (no. 1470014)	6 plain (no. 1470098) (no. 1470012)

(n/a=not applicable; plain=no colour code)

Hint:
Secure the omega stabilizer connector to the wall with a piece of duct tape after installation to prevent it from lifting off the wall.

Hint:
Stick a screwdriver through two of the holes to help line up the ends of the wall.

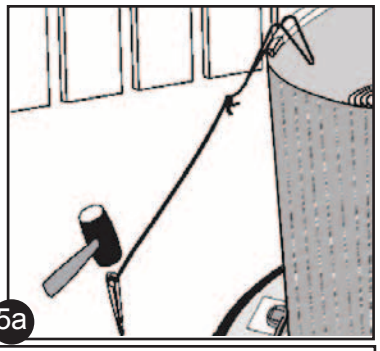
The 18 x 33 pool is the only size that uses all four types of slotted tubes. Diagram 5 shows the locations for each type



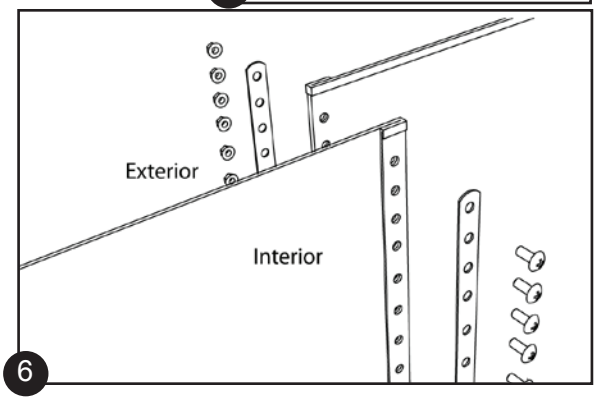
5

NOTE: We also suggest installing vinyl-covered hooks and rope to hold the wall steady.

e. Work around the foundation until the entire pool wall is uncoiled into the bottom rails and the top edge is covered with the omega stabilizer and connectors (and beaded liner retainers if you have a beaded pool liner)

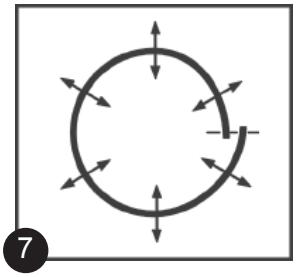

5a

NOTE: After the wall is installed, go around the entire pool and make sure all the gaps between the bottom rails are **equal** in size (the gaps may each finish slightly smaller or larger than 1/2" (13 mm), depending on your pool size). Recheck all of the bottom plates to make sure each one is centred between the bottom rails.



6

After the pool wall has been installed, reconfirm distances to the base plates. **Make sure** the round ends of the pool have been properly located or the pool wall will not be symmetrical


7

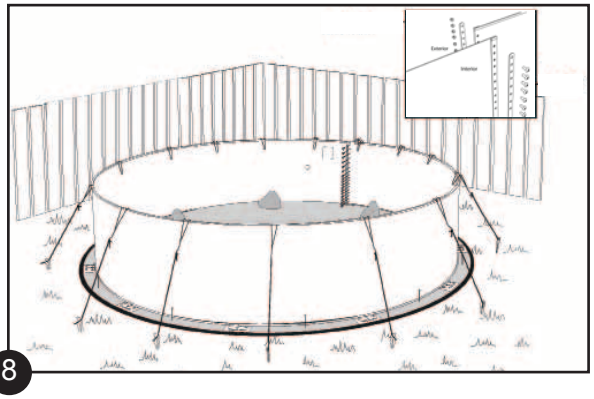
Hint:
Secure the omega stabilizer connector to the wall with a piece of duct tape after installation to prevent it from lifting off the wall.

2. Join the Ends of the Pool Wall

a. Line up the holes in the two ends of the pool wall.

b. To line up the holes, make the circle bigger or smaller by nudging the base plates in or out with your foot.

c. To fasten the wall joint, overlap the two steel bars, one on the inside and the other on the outside. Tighten the mechanical screws on the inside and the nuts on the outside. Make sure there is a bolt in each hole.


8

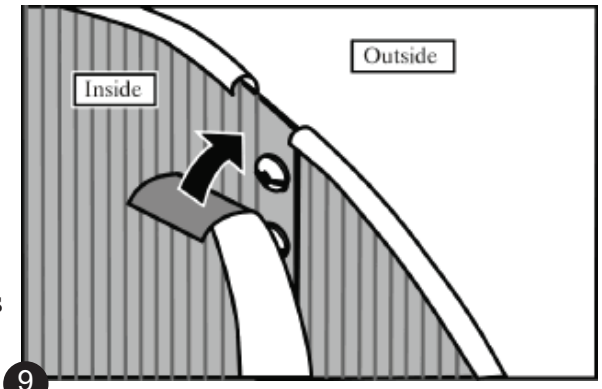
Hint:
Stick a screwdriver through two of the holes to help line up the ends of the wall.

NOTE: When tightening the screws start from either the top and go down or vice versa. do not start a few screws from top and a few from the bottom to meet in the middle, this can cause problems later on

d. Ensure that all bolts and all the holes are used.

e. Cover the seam and bolt heads on the inside of the pool wall completely with 2 layers of 2" (50 mm) duct tape.

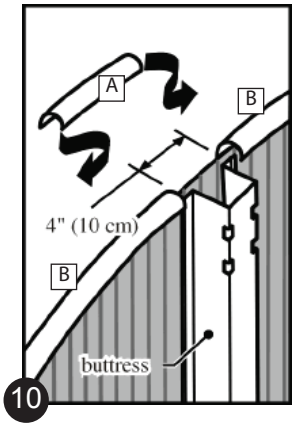
f. Before proceeding, make sure the pool liner is completely installed and all of the slotted tubes and connectors are in place.



9

g. At the top of each **buttress,** make sure the distance between the ends of the slotted tubes on the top edge of the wall is 4" (10 cm). Insert the plastic tube (key A) into the **inside** of the slotted tubes (key B) to fill the 4" (10 cm) space. The plastic tubes are inserted **only** in the spaces along the straight sides of the pool where the buttresses are located, **not** around the round ends of the pool. Make sure the plastic tubes are correctly installed or else when you install the top plates later they will not fit properly.

h. Where there are no buttresses installed, the space between the ends of the slotted tubes at the tops of the verticals should be about 1/2" (13 mm).

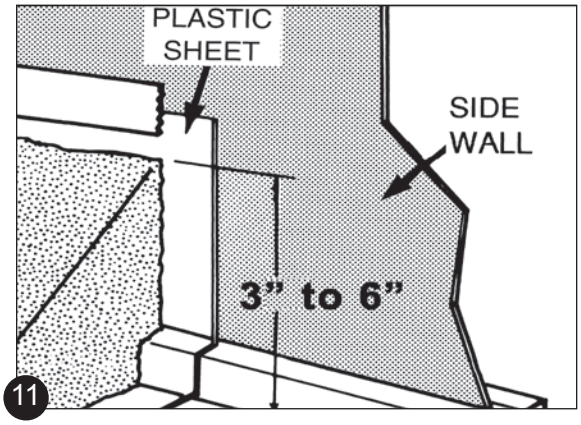


10

Remember:
The cove is an important part of the pool structure. Take your time to make a complete, full-size cove.

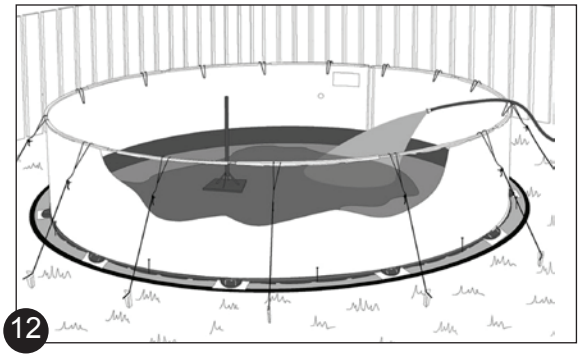
4. Make a Cove

a. If you are using sand, bank the sand against the wall to form a cove of 3” to 6” (7.5cm to 15cm) high and 8” to 12” (20cm to 30cm) wide at ground level. This will prevent the liner from creeping under the wall, and it will also protect the liner from any metal edges of the pool framework. **THIS STEP IS NOT OPTIONAL, IT MUST BE DONE.** .



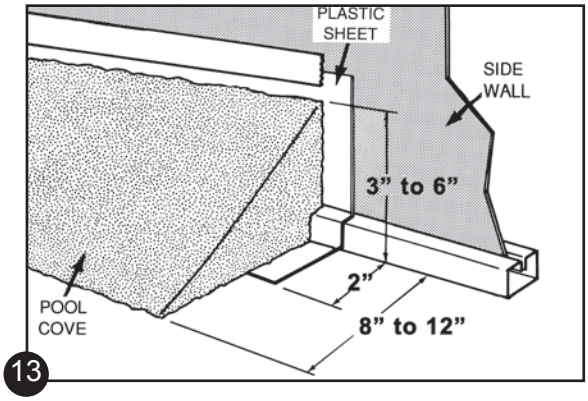
b. Water the sand to compact it and use a trowel to spread it evenly.

c. Since earth containing chemicals can cause discoloration or corrosion, it is suggested that you place polyethylene plastic sheeting under the cove around the perimeter of the wall, so no earth comes in contact with the metal. Since the presence of such chemicals is beyond the control of the manufacturer, such damage is not covered under warranty.

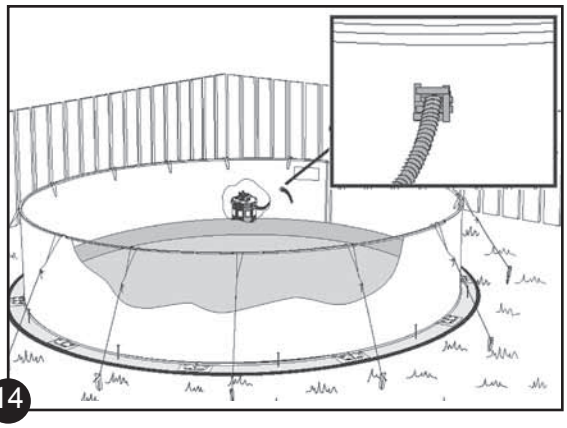


Remember:
The bolt heads must be toward the inside of the pool. Cover the bolt heads with duct tape.

d. If you are using styrofoam cove pieces instead of sand, insert them in the bottom rail and refer to the installation instructions that are provided with them.

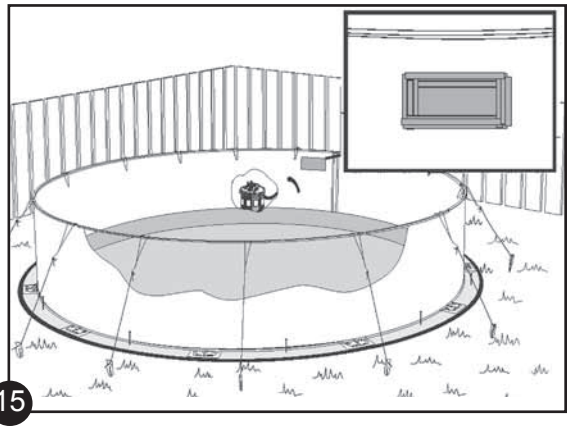


e. A vacuum cleaner can later be used to remove the air from between the liner and the wall. This technique enables you to remove folds in the liner. However the following precautions should be taken:


14

Do not use an industrial vacuum cleaner which could be too powerful.

Tape the end of the vacuum hose before inserting it into the wall so as not to damage the liner.


15

Insert the nozzle until it is about 4” (10cm) above the cove (insert through the water return outlet or the skimmer depending on the diameter of your hose). Make sure you will be able to remove the hose later on.

Tape the hose to the wall.

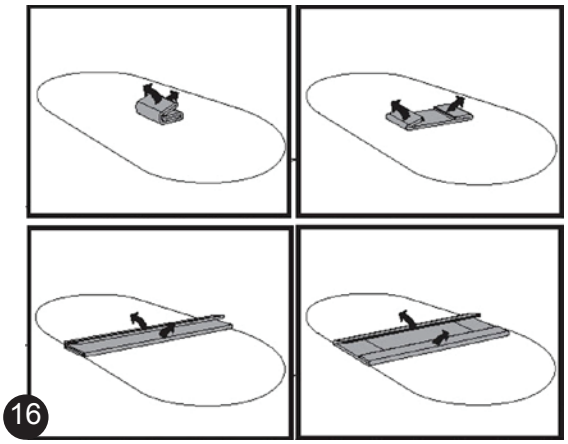
f. Close the skimmer opening with cardboard and adhesive tape so that the suction of air works better..

B. Install your Pool Liner

1. Set the liner in place

a. Open the carton. **Do not** use anything sharp to open the carton.

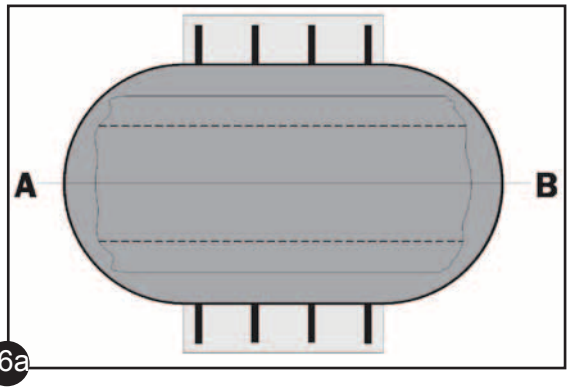
b. Unpack and unfold the liner and spread it out in the sun to warm it up. Inspect all the seams and surfaces for holes.


16

c. Remove your shoes to avoid damaging the base or tearing the liner.

Hint:
If possible, unfold the liner on the grass one to two hours before installation. **Be careful** not to leave the liner too long or you may damage the grass.

d. Spread out the liner, smooth side down. Unfold the liner from the centre of the pool toward the sides.



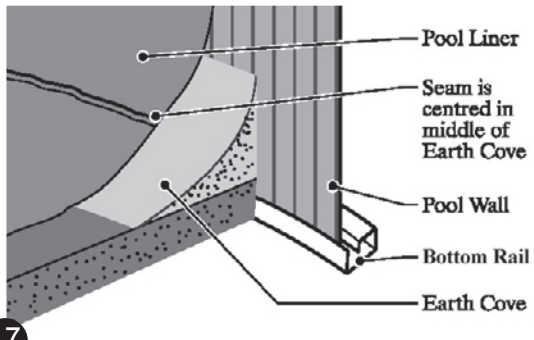
16a

e. Use the liner's bottom seam(s) as a guide and make sure the seam(s) are parallet to the straight sections and to the imaginary line which links points A and B in the illustration 16a. It is recommended that you begin installing the liner in a round section.

Hint:
The liner is generally smaller than the support structure of the pool. It will stretch more easily when warm. It is important that the liner is installed on a warm sunny day.

f. Use the liner's vertical seam as a gide and make sure the sea is vertical and perpendicular to the wall and bottom.

g. Make sure the seam between the wall and bottom is centred on the cove.



17

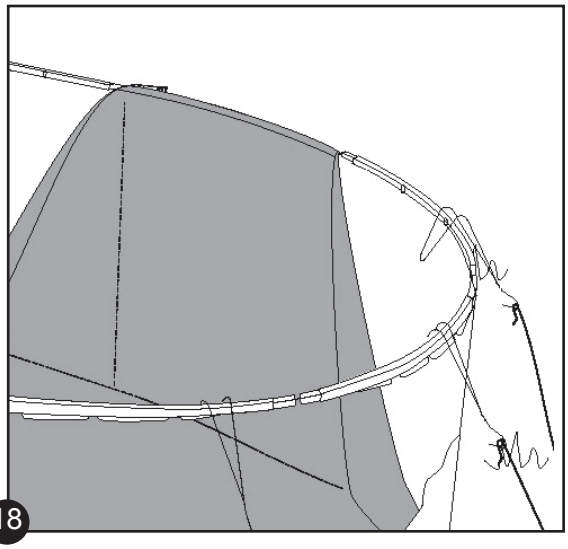
g. Smooth out all the wrinkles in the bottom. Do not leave any space between the liner and cove.

Important: This step applies only if you have an Overlap Liner. See next page for Beaded Liner or V-Bead Liner.

Important:
Do not trim off the excess liner. (If the liner ever needs to be removed, trimming the liner will make re-installation very difficult.) Instead, roll up any excess liner and tape it in place near the top of the pool wall.

2. Fasten the Liner in place (Overlap Liner only)

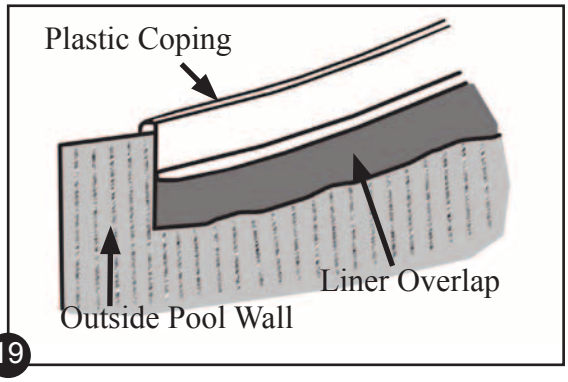
a. Starting at the liner wall seam, hang the liner over the wall making sure that the seam is straight up and down, perpendicular to the floor. (Remove stabilizers gradually as you fold the liner over the top of the wall.)This will assure you that the liner begins going over the wall straight.


18

b. As you put the liner over the wall you can secure it by using the plastic coping strips to keep it in place. If you end up with excess material, continue around the pool, pulling excess liner evenly, and distribute over the wall until the excess is gone.

c. Fasten the liner to the top of the wall with plastic coping. Let the liner hang slack for now. Do not pull the liner tight.

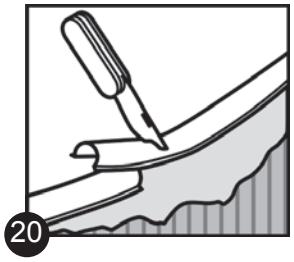
NOTE: Some liners may fit very tightly, it is better to install uprights, top plate and top ledge before going onto next step. See Section 4.



19

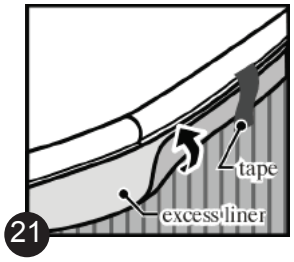
d. Turn the vacuum cleaner on and push the liner outward with your feet to iron out any wrinkles. Once finished, turn off vacuum cleaner.

e. Start filling the pool with water. As the pool fills, work out all the wrinkles and smooth the liner to the wall. Remove the plastic coping around the top edge of the wall one piece at a time and adjust the liner. Keep smoothing out the wrinkles.


20

f. After all the wrinkles in the liner are removed, trim any extra length of plastic coping so there is no overlap.

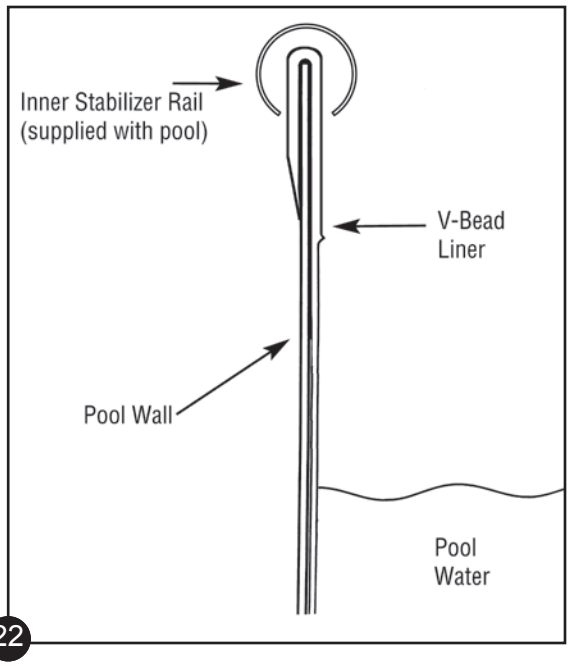
g. Roll up any excess liner hanging below the plastic coping and tape it in place near the top of the pool wall. Important: Do not trim off the excess liner.



21

3. Fasten the Liner in place (HUNG/J or V-BEAD LINER ONLY)

a. With a V-Bead liner you will not use the plastic coping strips that are packed in the parts carton of your pool. You can discard those pieces, if they are included, as they only apply to pools with overlap liners.



Remember:
Do not trim off the excess liner. (If the liner ever needs to be removed, trimming the liner will make re-installation very difficult.) Instead, roll up any excess liner and tape it in place near the top of the pool wall.

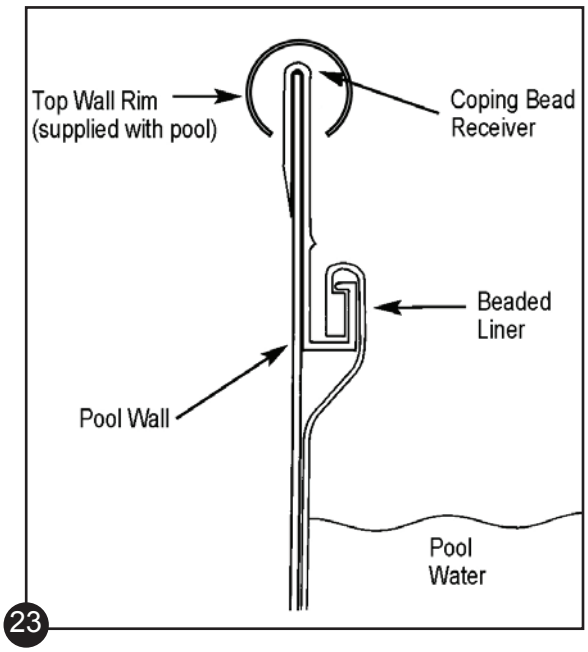
b. The top of the wall of the liner has what is called a "V-Bead" welded onto it. Simply open up the bead with your fingers and hang it directly on top of the pool wall. When this is done properly, the only portion on the outside of the pool wall is approximately 1" of the V-Bead. No printed liner material is actually going over the top of the wall to the outside of the wall.

c. Make sure the bead is on evenly around the entire pool, and that the liner is hanging straight down from the top of the wall. The liner should not have creases in it because it is twisting around the pool. If the liner is twisting, it is because it is not sitting properly in the pool. Make necessary adjustments before proceeding.

NOTE: Some liners may fit very tightly, it is better to install uprights, top plate and top ledge before going onto next step. See Section 4.

4. Fasten the liner place (BEADLOCK/SNAPBEAD LINER ONLY)

a. When installing the beaded liner retainer the ends must be at least 12" away from any buttress or it will be difficult to attach the top plates later. The beaded liner retainer may need to be cut to complete the installation. **Important:** make sure the segments of liner retainer are put on the top edge of the wall.



b. Lift the sides of the liner and insert the beaded edge into the liner retainer on the top edge of the pool wall.

c. Once all of the beaded liner track is on the wall, you can snap the liner bead into the beaded liner track at four random points around the pool. After that is done, and you are satisfied with how the liner is situated within the pool, you can continue snapping the remainder of the liner into place around the pool.

d. Go around the entire pool again making certain that the liner is securely snapped into the track. This is important to confirm so that the liner does not pull out while under the pressure of being filled with water.

NOTE: Some liners may fit very tightly, it is better to install uprights, top plate and ledge before going onto next step. See Section 4.

5. Proceed to Section 4 -
Assembling the Pool Frame

SECTION 4

Pool Component Installation Manual

Installing the Top Ledges & Uprights

A. Attach your Verticals and Top Rails

1. Continue filling your Pool

a. Continue filling your pool with water. Do not put in more than 12" (30 cm) of water until the top rails and vertical columns are all attached.

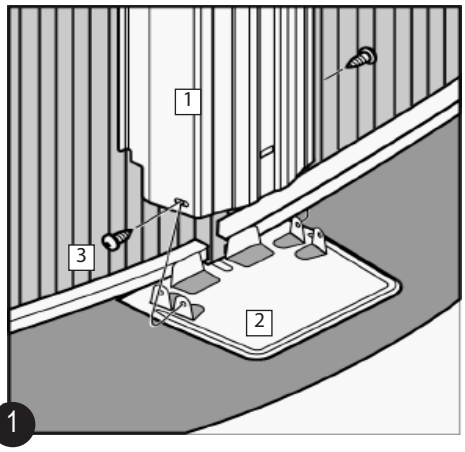
b. Keep working on the top rails and vertical columns while the pool fills.

- **See the drawing on the next page for an overview of all the parts used to install the verticals, top rails and top connectors.**

2. Install the Vertical Columns

a. Line up the bottom of one vertical column (key 1) with the two small tabs on one base plate (key 2). The tabs must be on the **inside** of the vertical column. The three holes on the front of the vertical must be nearest the top.

b. Line up the screw holes and fasten with one self-tapping screw on each side (key 3).

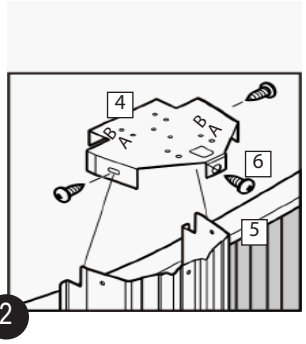


1

c. Hook a top plate (key 4) over the top edge of the (key 5). Place the top plate down over the top of the vertical column with the tabs on the **outside** of the column. Make sure the vertical column is straight up and down.

d. Line up the screw holes and fasten with one self-tapping screw on each side and one on the front (key 6).

e. Repeat the last four steps for each of the vertical columns around the pool wall.

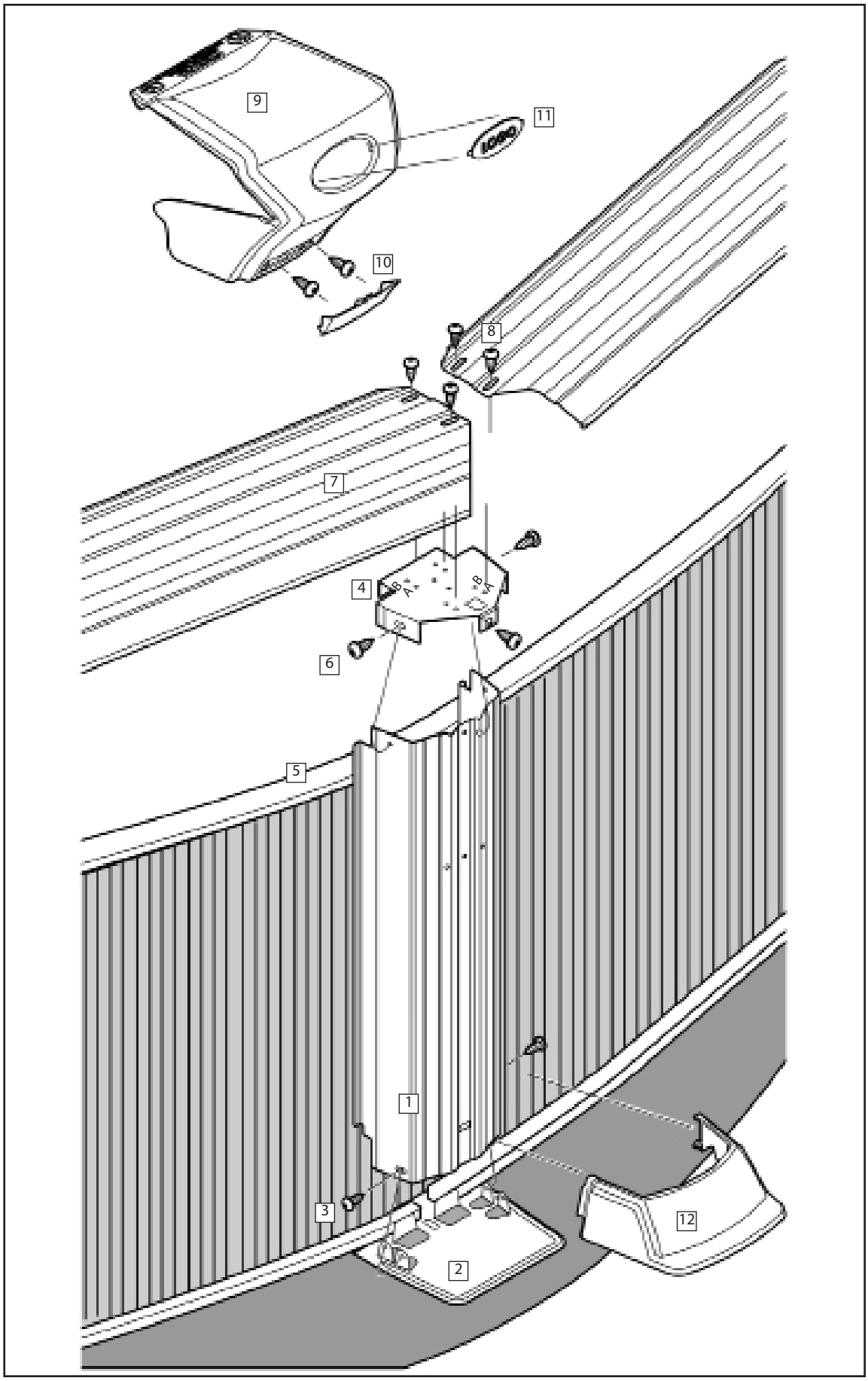


2

Hint:
Use the ridges in the pool wall to make sure the vertical column is straight up and down.

c. Prior to installing the connector, knock out the holes shown in diagram 10.

Overview of Vertical, Top Rail and Top Connector Assembly



3. Install the Top Rails (Ledges)-Round Section

a. Place a top rail (key 7) with one end on top of the top plate. The side of the top rail facing the centre of the pool should be close to the pool liner and pool wall. The side of the top rail facing the
outside of the pool will form a large overhang.

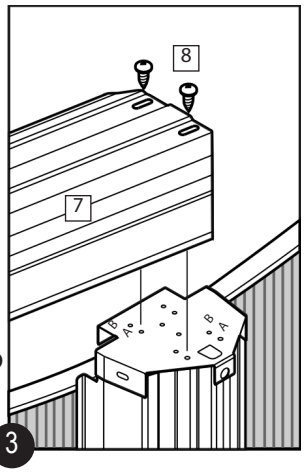
b. Line up the holes as shown. Fasten through the two oval holes into the holes marked **'A'** in the top plate below with two self-tapping screws (key 8). **Do not** tighten the screws yet. Leave the screws slightly loose until all the top rails are in place.

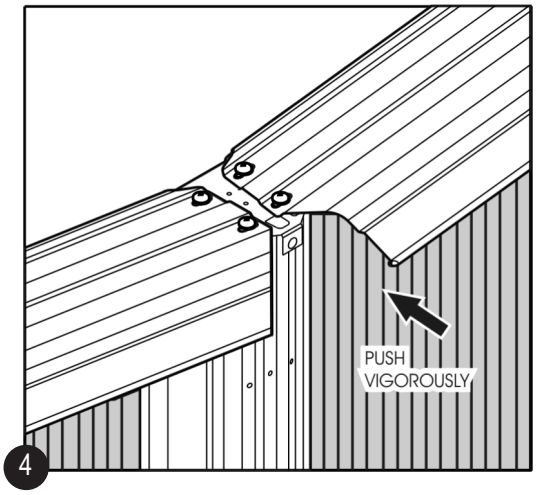
c. Repeat the last two steps for the other end of the top rail.

d. Repeat steps (a) to (c) to install the rest of the top rails around the top of the pool wall.

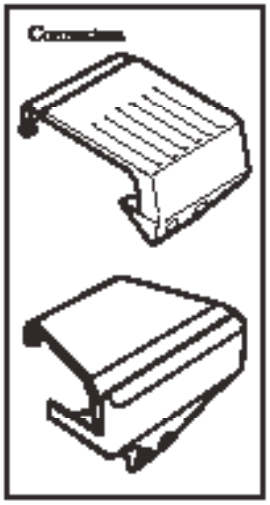
e. Make the pool settle into a perfect circle by pushing the top of the pool wall **vigorously** inward at each vertical (this will help make the bottom of the pool wall shift into a perfect circle).

f. Adjust all the top rails to line up evenly with each other and tighten all the screws.



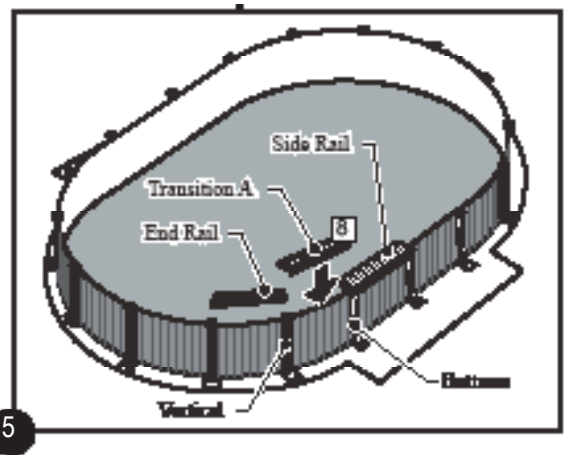


Important:
If the 7" (18cm) top plate is (see diagram 6) is shown in your manual, return to using that section after installing the transition rails, as described. Note: the manual included with your pool may show the 6"(15cm) top plate (shown in the image below), but the 7" (18cm) top plate (see diagram 6) has been supllied instead. Proceed to step 5a on this page.



4. Install the Top Rails (Ledges) - Straight Section

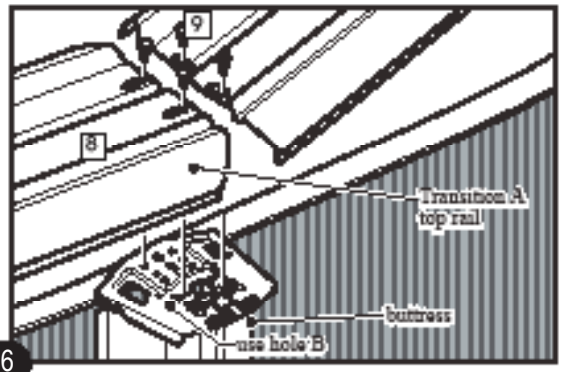
Note: You must use any additional components that come with your pool and are required for proper assembly as described in the Section 4.



5

a. Install al the side rails between the buttresses. Use hole 'A' and line up all of the holes as shown in diagram 5. Fasten through the two oval holes to the top plate below with the two self-tapping screws (key 9). **Do not** tighten any of the screws yet. Leave the screws slightly loose until all the top rails are in place. Make sure the verticals are aligned straight up and down (**Note:** the 12'x 18" pool does not have side rails).

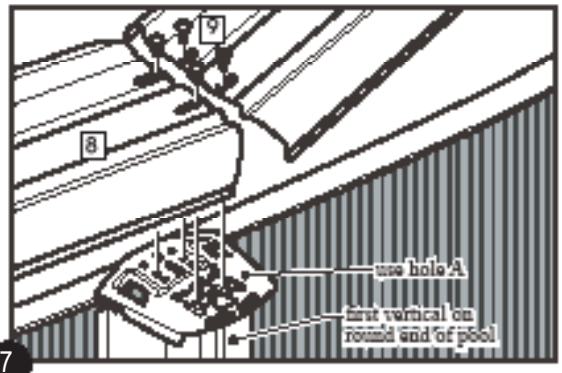
b. Install the remaining verticals as shown in this Section 4.



6

5. Install the Top Rails (Ledges) - Transition Section

a. **Important:** the four transition A top rails are mitred at the ends. If you pool has **connectors** that match **either** of the conncectors shown to the left, skip the rest of step (a) and proceed to step (b); if not, then continue with the rest of step (a). Only the end of the transition A top rail that is over a **buttress** will fasten into the marked '**B**' in the top plate, as shown in diagram 6. For the rest of the end rails, us hole 'A' and line up all of the holes as shown in diagram 7. Fasten trhough the two oval holes to the top plate bewlow with two self-tapping screws (key 9).



7

Do not tighten any of the screw yet. Leave the screws slightly loose until all the top rails are in place.

b. Beginning with one of the transition A top rails, place one end of the rail (key 8) over the top plate at a buttress, and the other end over the top plate at a vertical as shown in diagram 7. (Important: refer back to step (a) to see which holes to use). The top rail will form a large overhang on each side of the pool wall. Install the end rail as shown in diagram 7. When you install the rails, leave only 1/16" (2 mm) between the ends of the rails. Do not tighten the screws yet because you might need to adjust the rails later.

IMPORTANT: if any of the verticals are not straight up and down, adjust the base plate and bottom end of the vertical side to side as required by gently tapping on the base plate with a hammer and a block of wood. If you need to adjust the top of the vertical, you may need to remove the top plate first or else the wall and the liner could be dammaged.

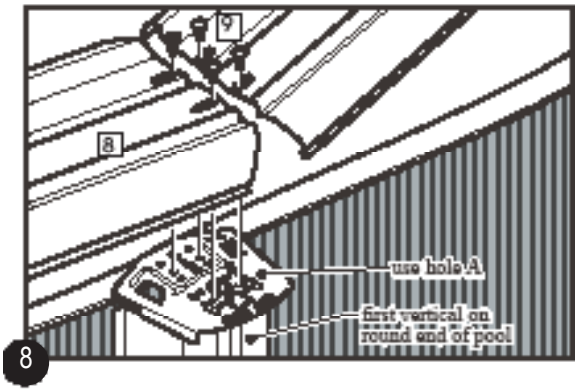
e. Check the length of the second transition A top rail before you fasten it. If the end of the transition rail overlaps the side rail, it needs to be cut; if the oval holes of the transition rail overlaps the side rail, it needs to be cut; if the oval holes of the transition rail do not match the holes in the top plate, you must drill new holes. (Note: the 12' x 18' pool does not have side rails, any overlap will be over the adjacent transition rail). In the case that the transition rail seems to be too short, you must pull the rails you just installed so the end of the transition rail can be attached to the top plate. The oval holes provide approximately 2" (51 mm) adjustment at each end of the pool.

f. Repeat steps (b) and (c) for the other side of the pool.

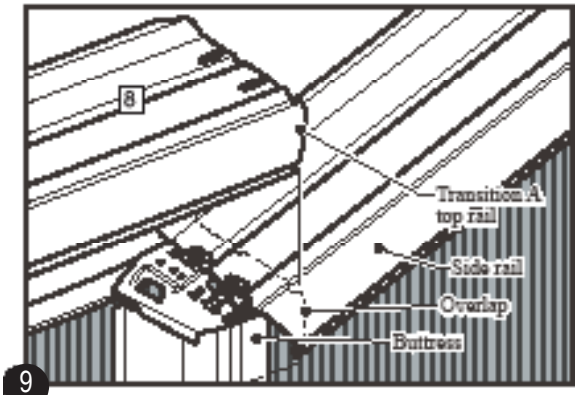
6. If the transition rail needs to be drilled and/or cut follow these steps:

a. Temporarily unscrew the end of the side rail that is next to the transition rail. (**Note:** the 12' x 18' pool does not have side rails)

b. Place one end of the **transition rail** (key 8) underneatht the side rail. (**Note:** for the 12' x 18' pool place one end above the other transition rail). Place the other end ovver the **first vertical** on the round end of the pool and temporarily fasten this end midway of the adjustment provided by the oval holes. If you have a 12' x 18' pool, jump to step (k) now.

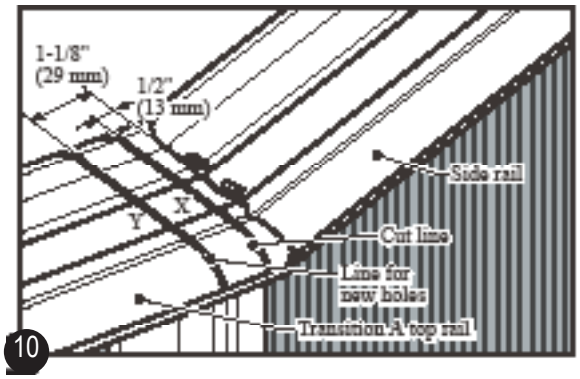


8



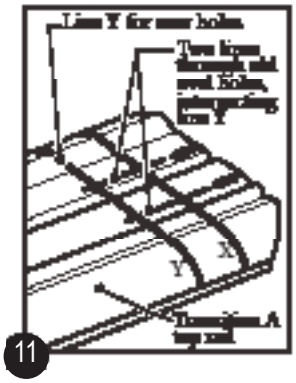
9

c. With the end of the side rail **on top** of the transition rail, mark two dimension 1/2" (13mm) and 1-1/8" (29mm) away from the end of the side rail. Then temporarily unscrew the other end of the **side rail** and move it to draw the lines **X** and **Y**. The first line **X** is parallel to the end of the side rail, 1/2" (13mm) away. This will be the line you will cut along to shorten the transition rail. The seconde line **Y** is also parallel to the end of the side rail, 1-1/8" (29mm) away. this will be the line that the new 1/4" (6mm) screw holes lie on.



10

d. To mark the locations of the 1/4" (6mm) screw holes, draw two lines through the centres of each of the two oval holes, parallel to the length of the rail, to intersect the line **Y**. The intersection of these lines will determine the locations of the new 1/4" (6mm) screw holes that need to be drilled.



11

e. If you pool calls for a support plate, drill another 1/4" (6mm) hole 1-1/2" (38mm) or 2-1/8" (54mm) toward the inside of the pool along the line **Y**. Measure the distance on your pool.

f. Remove the transition rail and drill the 1/4" (6mm) holes using the marks that lie on the line **Y.**

g. Cut the transition rail along the 1/2" (13mm) line **X** using a hacksaw (use a blade with at least 32 teeth per inch).

h. Fasten the side rail and the tranistion rail in place.

i. Repeat steps (a) to (h) to install the top rails at the other end of the pool.

j. Continue with the remaining steps explained in this Section 4, Part A, Step 3, Install the Top Rails (ledges).

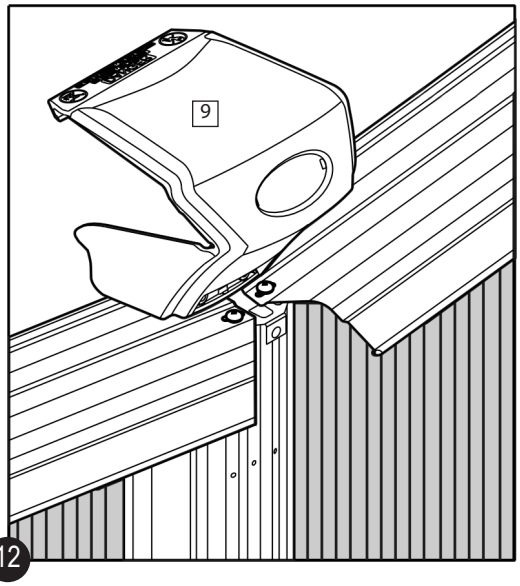
k. If you have a 12'x18' pool, draw the cutting line **X** along the centre of the top plate where the two transition rails meet. The line **Y** should be drawn parallel to line **X** but 3/4" (19mm) away from line **X**. to determine the locations of the 1/4" (6mm) screw holes, follow the abovve steps (d) to (j).

l. Continue with with Step 4 in this Section 4.

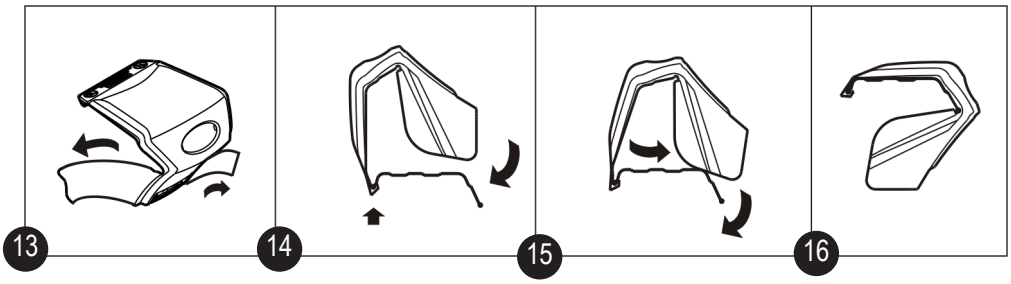
7. Install the Top Connectors (Ledge Covers)

a. Line up the connector (key 9) above the ends of two top rails.

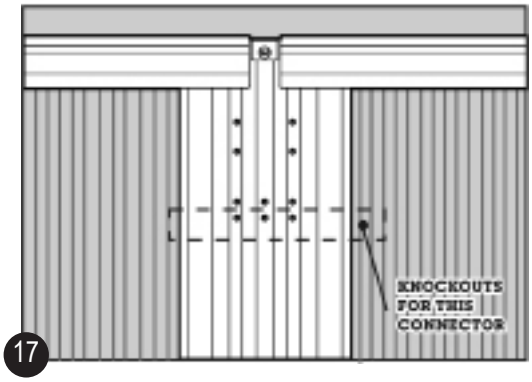
b. Hook the small tabs protruding from the underside of the connector onto the inside edges of the top rails and hold them firmly in place. Pull the other end of the connector down into place under the top rails by **gently** stretching it across and down, as shown in diagrams 13 to 16.



12


13 14 15 16

c. Prior to installing the connector, knock out the holes shown in diagram 17



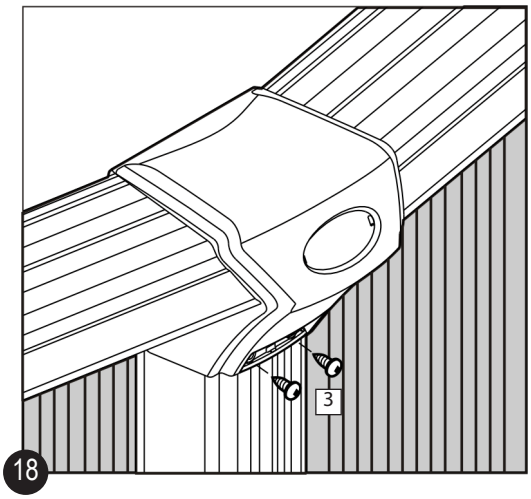
17

Caution:
Be sure to spread the sides of the lower half connector before stretching it across the top rails or the connector may be damaged.

d. Push the lower part of the connector in towards the vertical column and line up the two screw holes in the lower portion of the connector with the two holes in the vertical column. Fasten the connector in place with two self-tapping screws (key 3). **Important:** Tighten the screws **only** until a snug fit is obtained. **Do not over-tighten.**

e. For oval pools only: At the transition points only, where the end rail meets the side rail, make sure the side rail lines up properly with the end rail. If it doesn't line up, the connector will appear crooked from above (see diagram 12). If the connector isn't centered between the rails, temporarily remove the connector and loosen the screws on the side rail. Shift the side rail in or out from the center of the pool until the connector can be properly centered between the rails (see diagram 13).

f. Install either a connector clip or hook (key 10) in the following manner: Insert the large center tab & two smaller tabs located at the top of each into the openings located at the top of the clip housing in the connector. Rotate the bottom of the clip or hook into the housing and press firmly at the bottom of the clip or hook until a snap is heard (see diagrams 14 to 15). If the connector clip or hook does not snap in, slightly loosen the screws.

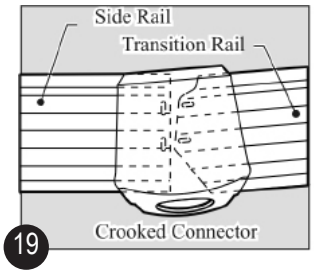


18

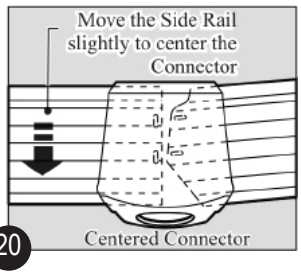
Note:
If necessary, the plug covering the screws can be removed by prying it out with a knife. Be careful not to damage the edges of the plug.

g. First insert the tab on the left of the logo insert (key 11) into the opening on the top of the connector designed for the logo insert. Bend the insert slightly and insert the other tab into the opening on the other side of the connector. Press down on the insert to ensure a proper fit.

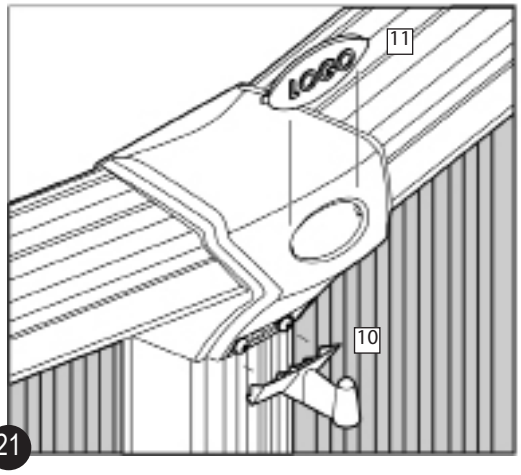
h. Repeat the last seven steps for the rest of the top connectors.



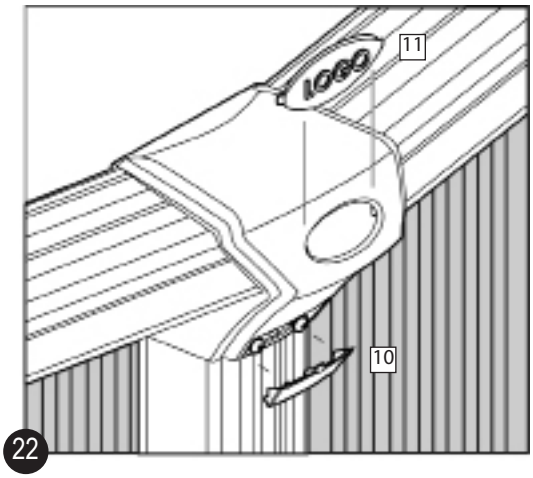
19



20



21



22

Important:
The pool wall may bulge and shift a little while filling with water. This is normal.

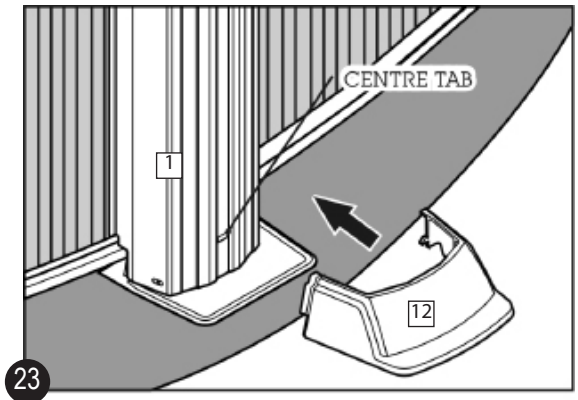
Note:
For Footcover installation on a vertical over a buttress, it may be necessary to modify the front clip of the Footcover. If the buttress upright behind the vertical blocks the front clip from being inserted, file it down until insertion is possible.

8. Install the Foot Cover (Optional)

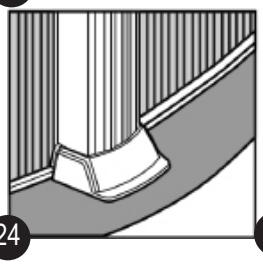
a. If the pool has been supplied with footcovers, the centre tab on the vertical will need to be knocked out prior to installation.

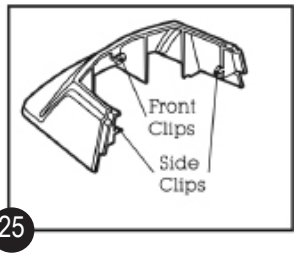
b. Place the foot cover on top of the base plate (key 12). Slide the foot cover towards the pool wall until the side clips and front clip snap into the vertical column (key 1).
Important: Ensure that the side clips snap into the cutouts for the bottom rails.

c. Repeat the last step for each of the vertical columns around the pool wall.



23


24



25

B. Fill your Pool with Water

1. Finish filling the pool

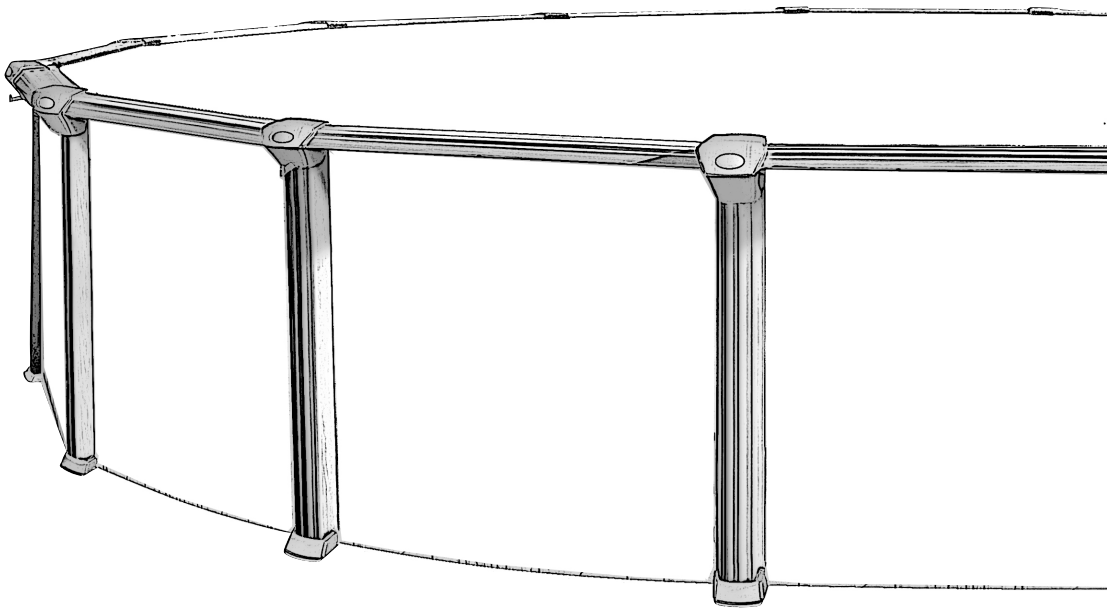
a. Turn off the vacuum and carefully remove it from the pool.

b. Fill the pool with water to 2” (5cm) below the lowest opening. Make sure you remove any creases from the liner in the bottom of the pool before the water level gets too high.

Caution:
Before making any openings in the liner, fill the pool with 60cm (24”) of water to stretch the liner fully. When filling your pool, begin with a garden hose until there is about 30cm (12”) of water in the pool. This will allow the liner to stretch gradually. You can then use a heavier flow to finish filling it up.

c. While the pool is filling, remove the nails that were holding the bottom rails in place.

d. Your pool is now installed. You must now install the filter and pump, the skimmer and water return inlet.Please follow the installation instructions that come with these products.



Important:
Make sure that your pool is round, do not assume that by filling up the pool that this will help the pool to place itself into a perfect round circle. Ensure that it is round before filling up the pool with water.

IMPORTANT SAFETY INFORMATION:

Please refer to the safety page at the beginning of this instruction manual. You must follow the rules and information regarding placement of safety stickers on your pool.

No Diving or Jumping. *Observe all Safety Rules.*